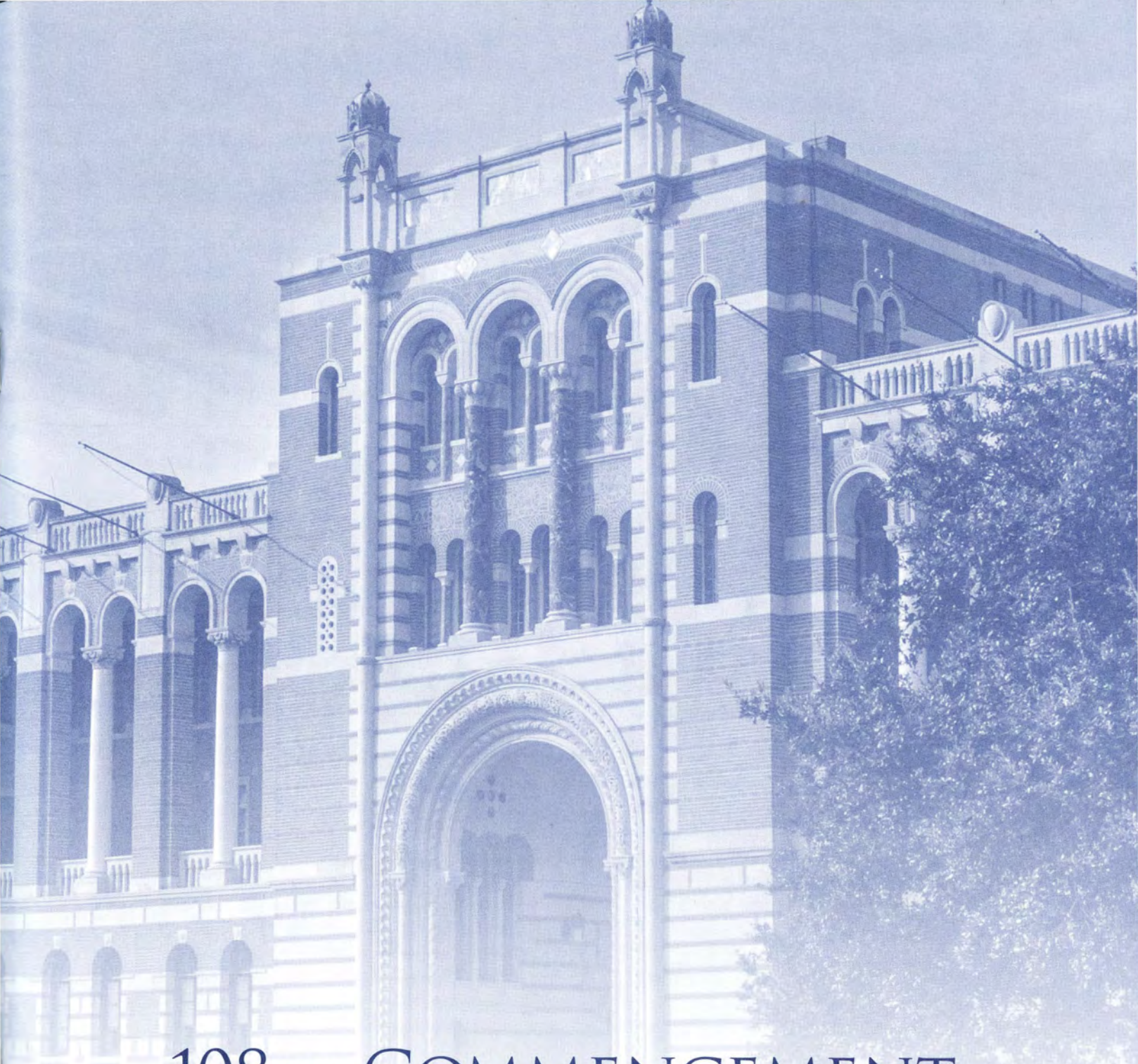

# 108TH COMMENCEMENT

## HONORING THE CLASS OF 2021

May 14–15, 2021

RICE

# Welcome From the President

Welcome to Rice University's 108th Commencement ceremony. Today, the entire Rice community comes together to celebrate the extraordinary achievements of both the 2020 and 2021 graduating classes. These students include those receiving bachelor's, master's and doctoral degrees. The faculty and staff of Rice are privileged to have played a part in educating such outstanding students through unprecedented circumstances.

These students, and the university of which they have been a vital part, faced challenges like no other students before them. Yet they still excelled and, like the many generations of students who preceded them, the graduates of 2020 and 2021 will go on to achieve great things and make notable accomplishments in our world. Although it has been a year since the Class of 2020 graduated with a virtual Commencement ceremony, many have returned this year for an on-campus ceremony and celebration. We are thrilled to welcome them back. And the Class of 2021 has persisted through over a year of an education environment constrained by the pandemic.

Our graduate students emerge well prepared for their professions and for making intellectual and creative contributions and discoveries. Our undergraduate students who receive their degrees today will symbolically complete their journey at Rice by exiting through the same Sallyport that they entered when they arrived as new students. All of our students have grown as scholars and responsible citizens. We are confident that the education they have received and the challenges they have faced in the past year and a half have prepared them well for the opportunities that lie ahead.

We extend an especially warm welcome to family members and friends who are joining our students on this special day. Many of you have traveled great distances and are navigating uncertain times to celebrate the achievements of your child, spouse, partner, parent, relative or friend. We know your presence means so much to them, and we hope that the day is as meaningful for you as it is for our graduating students. We wish to thank you for the support and encouragement that you have given to them.

The presence of our trustees, faculty, staff and alumni at Commencement demonstrates the pride that our entire university has in these distinguished graduates. We wish them well in the next chapter of their lives, and we expect that they will return many times to visit their alma mater.

With warm wishes for a bright future,

David W. Leebron

David W. Leebron
*President*

**Rice Stadium**
**Friday, May 14, 2021**
**7:30 p.m.**

## Musical Introduction

## Procession
Fred Oswald, *Chief Marshal*

## Welcome
Bridget Gorman, *Dean of Undergraduates*

## Speakers
Madison Morris, *Undergraduate Student Association Speaker*
Anna Margaret Clyburn, *Past President, Undergraduate Student Association*
Laura Schaefer, *Wiess College Magister*

## President of Rice University
David W. Leebron

## Recognition of Student Awards
David W. Leebron

## Presentation of Bachelor's Degree Candidates
Bridget Gorman and Residential College Magisters

## Conferral of Degrees

## Alma Mater
"Rice's Honor"

All for Rice's Honor, we will fight on.
We will be fighting when this day is done.
And when the dawn comes breaking,
We'll be fighting on, Rice, for the Gray and Blue.
We will be loyal, to Rice be true.

Monica Music, *Soloist*

## Concluding Remarks
Bridget Gorman, *Dean of Undergraduates*

## Fireworks
Please remain in the seating area until the fireworks display is finished.

## Recessional

President David W. Leebron, *presiding*

### Procession
Fred Oswald, *Chief Marshal*

### Welcome
David W. Leebron, *President*

### Introduction of Speakers
David W. Leebron, *President*

### Speakers
Alison Farrish, *President, Graduate Student Association 2021*
David W. Leebron, *President*

### Commencement Address
Nicholas Kristof, *New York Times Columnist*

### Conferral of Doctoral Degrees
Reginald DesRoches, *Provost*
David W. Leebron, *President*
Seiichi Matsuda, *Dean of Graduate and Postdoctoral Studies*

### Conferral of Advanced Degrees
Reginald DesRoches, *Provost*
Deans of the Academic Schools
David W. Leebron, *President*

### Concluding Remarks
David W. Leebron, *President*

### Alma Mater
"Rice's Honor"

All for Rice's Honor, we will fight on.
We will be fighting when this day is done.
And when the dawn comes breaking,
We'll be fighting on, Rice, for the Gray and Blue.
We will be loyal, to Rice be true.

Monica Music, *Soloist*

### Recessional

# 2021 Degree Recipients

*The recipients whose names are listed hereafter completed their degrees in August 2020, December 2020 or are scheduled to complete in May 2021. The information about degrees printed in this program is not official. Inquiries regarding graduates of the university should be directed to the registrar.*

# Doctor of Philosophy

**Jonas Albert Actor**
BS (The University of Chicago) 2016; MA (Rice University) 2018 Dissertation in Computational and Applied Mathematics: "Mathematical Approaches of Liver and Tumor Medical Image Segmentation"
Co-Director: Beatrice Riviere; Co-Director: David Fuentes

**Temitayo Ajayi**
BS (Yale University) 2015; MA (Rice University) 2018
Dissertation in Computational and Applied Mathematics: "Integer Programming Approaches to Cancer Treatment: Objective Selection in Intensity-Modulated Radiation Therapy and Chemotherapy Treatment Design"
Director: Andrew Schaefer

**Muhammed Murat Aksoy**
BS (Cukurova University) 2011; MS (Cukurova University) 2013
Dissertation in Mechanical Engineering: "Thermal Interface Resistance between Liquid Water and Face Centered Cubic Transitional Metals: Non-equilibrium Molecular Dynamics Simulation"
Director: Yildiz Bayazitoglu

**Marbella Allen**
BA (University of California, Los Angeles) 2013; MA (Rice University) 2017
Dissertation in Sociology: "The Black Middle-class Marriage Paradox: At the Intersection of Race, Upward Mobility, and Gender"
Director: Jenifer Bratter

**Mohammadreza Amirmoshiri**
BS (Sharif University) 2015
Dissertation in Chemical and Biomolecular Engineering: "The Effect of Oil and Surface Wettability on Foam Flow in Porous Media"
Co-Director: Sibani Lisa Biswal; Co-Director: George J. Hirasaki

**Abhijit Baburaj**
MS (Prairie View A&M University) 2015
Dissertation in Materials Science and NanoEngineering: "Design and Development Process for Application-Oriented Supercapacitors"
Director: Pulickel M. Ajayan

**Bhagyashree Kishor Bachhav**
B.Tech (Institute of Chemical Technology, Mumbai) 2014
Dissertation in Chemical and Biomolecular Engineering: "Expanding the Mammalian Synthetic Biology Toolbox: Orthogonal Tools and Circuits for Cellular Reprogramming"
Director: Laura Segatori

**Krishna Badhiwala**
BS (The University of Texas at Austin) 2012
Dissertation in Bioengineering: "Interrogating Sensorimotor Information Processing in the Highly Regenerative and Diffuse Nerve Net of Hydra"
Director: Jacob T. Robinson

**Rashad Imad-Fayez Baiyasi**
AS (Delta College) 2009; BS (Saginaw Valley State University) 2012; MS (Rice University) 2018
Dissertation in Electrical and Computer Engineering: "Understanding Coupled Nanoplasmonic Systems Through Computational Characterization and Modeling"
Director: Christy F. Landes

**Randall Balestriero**
BS (University of Toulon) 2014; MS (Ecole Normale Superieure and Pierre Et Marie Curie) 2016
Dissertation in Electrical and Computer Engineering: "Max-Affine Splines Insights into Deep Learning"
Director: Richard G. Baraniuk

**Suguman Bansal**
BS (Chennai Mathematical Institute) 2014; MS (Rice University) 2017
Dissertation in Computer Science: "Automata-Based Quantitative Verification"
Director: Moshe Vardi

**Eric Barefoot**
BS (The University of North Carolina at Chapel Hill) 2016
Dissertation in Earth, Environmental, and Planetary Sciences: "Influence of Climate-Modulated Flooding on Fluvial Morphodynamics and Stratigraphy"
Director: Jeffrey Nittrouer

**Satya Kamala Bellamkonda**
BS (The University of Utah) 2013
Dissertation in Bioengineering: "Investigations in Dynamic Protein Interactions and Steady-State Protein Abundance in Mammalian Cells"
Director: Michael Diehl

**Joyeeta Bhattacharya**
BS (Jadavpur University) 2012; MS (Jadavpur University) 2014
Dissertation in Earth, Environmental, and Planetary Sciences: "Marine Carbonate Accumulation During the Greenhouse Climate of the Eocene"
Director: Laurence Y. Yeung

**Sutanu Bhowmick**
BS (Jadavpur University) 2015
Dissertation in Civil and Environmental Engineering: "Vision-Based Full-Field Sensing for Condition Assessment of Structural Systems"
Director: Satish Nagarajaiah

**Shelby Ann Bieritz**
BS (Texas A&M University) 2013
Dissertation in Bioengineering: "Resolving Flow Properties of Spiral Groove Bearings to Improve Mechanical Circulatory Support Hemocompatibility"
Director: K. Jane Grande-Allen

**Dario Biolcati Rinaldi**
BA (University of Bologna) 2012; MS (University of Bologna) 2014
Dissertation in Economics: "Essays on Income Inequality"
Director: Mahmoud El-Gamal

**Logan Daniel Cruckson Bishop**
BS (The University of Texas at Austin) 2016
Dissertation in Chemistry: "Relating Chromatogram Lineshape to Microscale Surface Interactions Using Stochastic Theory and Chemometrics"
Director: Christy F. Landes

**David Blank**
MS (The Pennsylvania State University) 2015
Dissertation in Earth, Environmental, and Planetary Sciences: "Investigating Earthquake Rupture Using Particle Dynamics Simulations"
Director: Julia Morgan

**Melia Elizabeth Bonomo**
BS (Dickinson College) 2013; MS (Rice University) 2018
Dissertation in Applied Physics: "Investigating Modular Structure and Function in Biology: from Immunology to Cognition"
Director: Anatoly Kolomeisky

**Kevin Alexander Boos**
BS (The University of Texas at Austin) 2011; MS (Rice University) 2016
Dissertation in Electrical and Computer Engineering: "Theseus: Rethinking Operating Systems Structure and State Management"
Director: Lin Zhong

**Brittany C. Bradford**
BBA (Texas Christian University) 2009; MA (Rice University) 2018
Dissertation in Psychological Sciences: "Examining STEM Formative Experiences and College STEM Outcomes from a Social Cognitive Career Theory Perspective"
Director: Margaret E. Beier

**George L. Britton**
BS (The University of Texas at Austin) 2008; MS (The University of Texas Health Science Center at Houston) 2014
Dissertation in Systems, Synthetic, and Physical Biology: "A Novel Self-Organizing Embryonic Stem Cell System Reveals Signaling Logic Underlying the Patterning of Human Ectoderm in Two- and Three-Dimensions"
Director: Aryeh Warmflash

**Mitchell Brun**
BS (Northeastern University) 2015
Dissertation in Chemical and Biomolecular Engineering: "Design of Caspase and MMP-Activatable Adeno-Associated Virus Vectors and Their In Vivo Application"
Director: Junghae Suh

**Pallavi Bugga**
BS (California Institute of Technology) 2014
Dissertation in Bioengineering: "Exploration of Nucleic Acid-Based Platforms for Microbial Identification"
Director: Rebekah Drezek

**Susan Butler**
BS (University of Rochester) 2016
Dissertation in Bioengineering: "Engineering Protease-Activatable Adeno-Associated Virus (AAV) for Targeting of Pancreatic Ductal Carcinomas"
Director: Junghae Suh

**Baird Cameron Campbell**
MA (Tulane University) 2014
Dissertation in Anthropology: "The Archive of the Self: Trans Self-Making and Social Media in Santiago de Chile"
Director: Cymene Howe

**Sharde' Chapman**
BA (Rhodes College) 2010; MDIV (Union Presbyterian Seminary) 2013; MA (Rice University) 2017
Dissertation in Religion: "I'll Make Me a World": BlerDCon as a Non-Traditional Religious Space"
Director: Anthony Pinn

**Beidi Chen**
BS (University of California, Berkeley) 2015; MS (Rice University) 2018
Dissertation in Computer Science: "Locality Sensitive Sampling for Extreme-Scale Optimization and Deep Learning"
Director: Anshumali Shrivastava

**Maria Yanqing Chen**
BS (Princeton University) 2014
Dissertation in Bioengineering: "Investigating the Role of Adeno-Associated Virus Capsid in Virus Function, Targeted Gene Delivery, and the Host Immune Response"
Director: Junghai Suh

**Pengxi Chen**
BS (Beijing University of Chemical Technology) 2012; MA (Rice University) 2016
Dissertation in Chemistry: "Practical Synthesis of Substituted Anthraquinones, Streamlined Synthesis of Trioxacarcins and Analogues, and Synthetic Studies toward LL-D491941"
Director: Kyriacos C. Nicolaou

**Siyi Chen**
BS (Peking University) 2013; MSTAT (Rice University) 2015; MA (Rice University) 2018
Dissertation in Statistics: "Statistical Modeling for Species Count Data with Heterogeneity"
Director: Marek Kimmel

# DOCTOR OF PHILOSOPHY *continued*

**Yi-Lin Chen**
BS (National Taiwan University) 2015
Dissertation in Chemical and Biomolecular Engineering: "Characterization of Switchable Surfactant Interactions With Biomimetic Surfaces"
Director: Sibani Lisa Biswal

**Shannon Kaixin Cheng**
BA (Rice University) 2016; MA (Rice University) 2019
Dissertation in Psychological Sciences: "Co-Conspirators in the Fight for Racial Justice?: Understanding How Asian Americans Respond to Anti-Black Discrimination at Work"
Director: Eden King

**Arkabandhu Chowdhury**
MS (Rice University) 2017
Dissertation in Computer Science: "Meta Approaches to Few-shot Image Classification"
Director: Christopher M. Jermaine

**Proteek Chowdhury**
BS (Presidency College, Bengaluru City University) 2013; MS (Indian Institute of Technology, Kharagpur) 2015
Dissertation in Earth, Environmental, and Planetary Sciences: "Geochemical fractionation during melting of sulfide and sulfate bearing mantle lithologies"
Director: Rajdeep Dasgupta

**Chelsea Alexis Clark**
BS (The University of Texas at Austin) 2015
Dissertation in Chemical and Biomolecular Engineering: "Rh-Based Catalysis Chemistry of Aqueous-Phase Nitrogen Treatment Reactions"
Director: Michael S. Wong

**Seth T. Coleman**
BS (University of Washington) 2012; MS (Rice University) 2016
Dissertation in Applied Physics: "Data-Driven Modeling to Infer the Function of Viral Replication in a Counting-Based Decision"
Director: Oleg Igoshin

**Abigail Rose Corrington**
BA (Rice University) 2013; MA (Rice University) 2018
Dissertation in Psychological Sciences: "Perceptions of Team Contributions for Men and Women"
Director: Michelle Hebl

**Anna Morgan Crumbley**
BS (The University of Alabama) 2015
Dissertation in Chemical and Biomolecular Engineering: "Methane Bioreforming for the Biosynthesis of Reduced Molecules at Ambient Pressure and Temperature"
Co-Director: Ramon Gonzalez; Co-Director: Ka-Yiu San

**Daniela De la Parra Hurtado**
BBA (The University of Texas at Brownsville) 2015
Dissertation in Business: "Disclosure Softness of Corporate Language"
Director: Krishnamoorthy Ramesh

**Ilenne Dirce Del Valle Kessra**
BS (Pontificia Universidad Catolica de Chile) 2014
Dissertation in Systems, Synthetic, and Physical Biology: "Using Gas Biosensors and Artificial Soils to Understand Biological Communication in Soils"
Director: Jonathan J. Silberg

**Steven Meyer Demers**
BS (Duke University) 2014; MS (Rice University) 2017
Dissertation in Physics and Astronomy: "Investigating Cholesterol Orientation in Lipid Bilayer by Raman Spectroscopy"
Director: Jason Hafner

**Guannan Deng**
BS (Shanghai Jiaotong University) 2007; MS (Tongji University) 2015
Dissertation in Civil and Environmental Engineering: "Solubility Prediction of Scale Minerals and Study Nucleation Kinetics at Temperature Below 250°C"
Director: Mason Tomson

**Julie Dinh**
BA (University of California, Berkeley) 2011; MA (Rice University) 2018
Dissertation in Psychological Sciences: "Creating Space for Care: Enhancing Patient-Centered Performance Outcomes Through Organizational Change"
Director: Eduardo Salas

**Chloe Florence Doiron**
BS (The University of Oklahoma) 2012; MS (Rice University) 2016
Dissertation in Applied Physics: "Alternative Materials for Harnessing Symmetry and Topology in Thermal Light Sources for Thermophotovoltaics"
Director: Gururaj Naik

**Marion Landers Donald**
BS (Rice University) 2014; MS (Rice University) 2018
Dissertation in Biosciences: "Environmental Context and Host Plant Extinction as Drivers of Microbial Symbiont Population Prevalence and Metacommunity Diversity"
Director: Tom Miller

**Andrea Pilar Drager**
BS (University of California, San Diego) 2008
Dissertation in Biosciences: "Reproductive Ecology and Coexistence Among Trees in the Guineo-Congolian Understory"
Director: Amy E. Dunham

**John Weslee Ellis-Etchison**
BA (Oklahoma Baptist University) 2005; MA (University of Louisiana at Lafayette) 2009; MA (Rice University) 2015
Dissertation in English: "A Sovereign Menagerie: Political Theology, Charismatic Authority, and the Animal Turn in Early Modern Drama"
Director: Joseph Campana

**Alison OConnor Farrish**
BAS (Cornell University) 2016; MS (Rice University) 2019
Dissertation in Physics and Astronomy: "Modeling of Solar-Stellar Connections and the Heliophysics of Exoplanet Systems"
Director: David Alexander

**Robert Gavin Fields**
BS (University of California, Davis) 2013; MS (Rice University) 2015
Dissertation in Physics and Astronomy: "Studies of Strongly Interacting Rydberg Systems"
Director: F. Barry Dunning

**Renee Lynn Ford**
BFA (The University of Cincinnati) 2005; MA (Naropa University) 2012; MA (Rice University) 2017
Dissertation in Religion: "The Role of Devotion (mos gus) in Tibetan Heart Essence Traditions: Devotional Affect and its Relationship to Dzogchen's Foundational Practices (rdzogs chen)"
Director: Anne Carolyn Klein

**Sarah Elaine Grefe**
BS (California State University, Long Beach) 2011; MS (California State University, Long Beach) 2013
Dissertation in Physics and Astronomy: "Topological metals driven by strong correlations in heavy fermion systems"
Director: Qimiao Si

**Alexandru Dan Grigore**
BA (Carol Davila University of Medicine and Pharmacy) 2008; MD (Carol Davila University of Medicine and Pharmacy) 2012
Dissertation in Biosciences: "Reassessment of Neurite-Like Processes in a Neuroendocrine Prostate Cancer Model"
Co-Director: Mary C. Farach-Carson; Co-Director: Herbert Levine

**Jason Liwei Guo**
BS (Northwestern University) 2014
Dissertation in Bioengineering: "Injectable, Click Functionalized Hydrogels for Osteochondral Tissue Engineering"
Director: Antonios G. Mikos

**Kaihang Guo**
BS (Sichuan University) 2014; MS (New York University) 2016; MA (Rice University) 2018
Dissertation in Computational and Applied Mathematics: "High Order Weight-Adjusted Discontinuous Galerkin Methods for Problems in Wave Propagation"
Director: Jesse Chan

**Sujin Guo**
MS (Tongji University) 2014
Dissertation in Civil and Environmental Engineering: "Advanced Reduction of Nitrogen-Oxyanions Using Metal-Based Model Catalysts"
Director: Michael S. Wong

**Thomas Scott Heiderscheit**
BS (The University of Iowa) 2015; MA (Rice University) 2017
Dissertation in Chemistry: "Plasmonic Enhancement of Electrogenerated Chemiluminescence using Single Particles and Periodic Arrays of Gold Nanoantennas"
Director: Stephan Link

**Joshua Cartwright Hill**
BS (College of William and Mary) 2014
Dissertation in Applied Physics: "Photoassociative Spectroscopy of 87Sr"
Director: Thomas C. Killian

**Eugen Hruska**
MS (Rice University) 2016
Dissertation in Physics and Astronomy: "Adaptive Sampling of Conformational Dynamics"
Director: Cecilia Clementi

**Hannah Hughes**
BS (The Johns Hopkins University) 2015; MS (University of Pennsylvania) 2017
Dissertation in Physics and Astronomy: "Structural Analysis of Lipid Membrane Probes by Enhanced Raman Scattering"
Director: Jason Hafner

**Nicholas Andrew Hummell**
BS (Baylor University) 2015
Dissertation in Biosciences: "Using C. elegans to Identify Novel Targets Against Multidrug-Resistant Bacteria"
Director: Natasha Kirienko

**Prabhas Hundi**
BS (Indian Institute of Technology, Madras) 2013; MS (Indian Institute of Technology, Madras) 2013
Dissertation in Civil and Environmental Engineering: "Studies on the Use of Machine Learning Algorithms for Analysis and Design of Materials at Multiple Length Scales"
Director: Rouzbeh Shahsavari

**Brady Hunt**
BS (Brigham Young University) 2015
Dissertation in Bioengineering: "Diagnosing Cervical Neoplasia in Rural Brazil: Clinical Trial Outcomes and a Next-generation Point-of-Care System"
Director: Rebecca Richards-Kortum

**Hassan Javed**
BS (Lahore University of Management Sciences) 2015; MA (Rice University) 2017
Dissertation in Chemistry: "Mechanistic insights on the merits and limitations of advanced treatment processes for removal of contaminants of emerging concern"
Director: Pedro J.J. Alvarez

# DOCTOR OF PHILOSOPHY *continued*

**Hamin Jeon**
BS (Emory University) 2013
Dissertation in Bioengineering: "Development of Miniature Objectives for Clinical Applications"
Director: Tomasz Tkaczyk

**Fumiya Katsutani**
B.Eng (Osaka University) 2012; M.Eng (Osaka University) 2014; MS (Rice University) 2018
Dissertation in Electrical and Computer Engineering: "Spectroscopy of Two-Dimensional Excitons in High Magnetic Fields to 30 Tesla"
Director: Junichiro Kono

**Yash Khemka**
B.Tech (Indian Institute of Technology, Bombay) 2015
Dissertation in Chemical and Biomolecular Engineering: "Novel Mechanistic Approach for Modeling Multiphase Flow Behavior in Crude Oil Wells"
Director: Francisco M. Vargas Arreola

**Michelle Hyun Ji Kim**
BA (University of California, San Diego) 2011; MA (Rice University) 2018
Dissertation in Psychological Sciences: "Perceived Work Environment, Job Characteristics, and Job- Related Mental Health: Changes and Interactions Across the Working Lifespan in a 19-Year Longitudinal Study"
Director: Margaret E. Beier

**Yu Seon Kim**
BS (The Johns Hopkins University) 2011
Dissertation in Bioengineering: "Injectable Biomimetic Hydrogel Platforms for Cartilage Regeneration"
Director: Antonios G. Mikos

**Ian Snell Kinstlinger**
BS (Washington University) 2014
Dissertation in Bioengineering: "Engineered Tissues Supported by Convection and Diffusion"
Director: Jordan Miller

**Suppanat Kosolwattana**
BS (The University of Virginia) 2011; MS (The Pennsylvania State University) 2013
Dissertation in Materials Science and NanoEngineering: "The Development of Advanced Materials for Electrodes and Electrolytes in Supercapacitors"
Director: Pulickel M. Ajayan

**Benjamin J. Kozicki**
BS (Michigan State University) 2004; BA (Michigan State University) 2008; MA (Rice University) 2015
Dissertation in English: "Topology and Narrative"

**Kathryn Ann Kundrod**
BS (Lehigh University) 2015
Dissertation in Bioengineering: "Point-of-Care Tests to Amplify and Detect High-Risk HPV DNA and mRNA"
Director: Rebecca Richards-Kortum

**Gary Matthew Lamb**
BA (The University of Texas at Austin) 2010; M.Ed (The University of Texas at Austin) 2012; MA (Rice University) 2016
Dissertation in Political Science: "Disparities in Democracy: The Causes and Consequences of Polling Place Practices and Conditions"
Director: Robert Stein

**Sungmin Lee**
BS (Purdue University) 2014
Dissertation in Systems, Synthetic, and Physical Biology: "Comparative Analysis of Influenza Virus Evolution"
Director: Jianpeng Ma

**Oscar Francisco Leong**
BA (Swarthmore College) 2016; MA (Rice University) 2019
Dissertation in Computational and Applied Mathematics: "Learned Generative Priors for Imaging Inverse Problems"
Co-Director: Illya V. Hicks; Co-Director: Paul Hand

**Ang Li**
BS (Georgia Tech) 2014
Dissertation in Bioengineering: "Development and Characterization of Viral-Based Gene Editing in Vivo"
Director: Gang Bao

**Xiaoyi Li**
BS (University of California, Berkeley) 2014
Dissertation in Chemical and Biomolecular Engineering: "Structure Engineering of Polymers used in Lithium-ion Battery Electrodes for Improved Performance"
Director: Rafael Verduzco

**Xue Li**
BS (Huazhong University of Science and Technology) 2013; MS (The University of Texas at Austin) 2019
Dissertation in Electrical and Computer Engineering: "Ultraflexible Neural Electrode: Advanced Application in Central and Peripheral Nervous Systems"
Director: Chong Xie

**Eleni-Eirini Litsa**
Diploma (National Technical University of Athens) 2014
Dissertation in Computer Science: "Elucidating Metabolism through Machine Learning"
Director: Lydia Kavraki

**Qingyue Liu**
BS (Nanjing University of Posts and Telecommunications) 2013; MS (Rice University) 2017
Dissertation in Electrical and Computer Engineering: "Rethinking Storage System Design in Distributed NVRAM+RDMA Clusters"
Director: Peter Varman

**Rongjie Liu**
BS (Southeast University) 2010; MA (Rice University) 2020
Dissertation in Statistics: "Advanced Statistical Learning Methods in Image Processing"
Director: Meng Li

**Minhan Lou**
BS (Shanghai Jiao Tong University) 2013; MEE (Rice University) 2015
Dissertation in Electrical and Computer Engineering: "Theoretical Studies of Optical Properties and Photocatalytic Applications of Aluminum Nanoparticles with Sharp Corners"
Director: Peter Nordlander

**Wei Lu**
BS (Rensselaer Polytechnic Institute) 2015; MS (Rice University) 2017
Dissertation in Physics and Astronomy: "Understanding the Folding Mechanisms of Membrane Proteins Through Molecular Simulations and Energy Landscape Analysis"
Director: Peter G. Wolynes

**Yingchao Lu**
BS (University of Science and Technology of China) 2015; MS (Rice University) 2017
Dissertation in Physics and Astronomy: "Multi-Physics Modelings and Analysis for Magnetized High-Energy-Density Laser Driven Plasma Flows"
Director: Edison Liang

**De Luo**
BA (Carleton College) 2013; MS (Rice University) 2017
Dissertation in Applied Physics: "Solitons and Breathers in Bose-Einstein Condensates"
Director: Randall G. Hulet

**Shangyu Luo**
BS (University of Science and Technology of China) 2012; MS (Rice University) 2016
Dissertation in Computer Science: "Automatic Matrix Format Exploration for Large Scale Linear Algebra"
Director: Christopher M. Jermaine

**Justin Ma**
MS (The University of Texas at Austin) 2015
Dissertation in Biosciences: "Neural Crest and the Cornea: Transformation of the Transcriptome and the Role of Nephronectin During Ocular Development"
Director: Peter Lwigale

**Kevin T. MacDonnell**
BA (Virginia Tech) 2011; MA (St. John's University) 2015
Dissertation in English: "Ecologies of Innovation: Economy, Empire, and Environment in Eighteen-Century British Literature"
Co-Director: Joseph Campana; Co-Director: Sarah Ellenzweig

**Carly Marie Mayes**
BA (The University of Oklahoma) 2008; MA (Oklahoma State University) 2011;
Dissertation in Political Science: "Gender Stereotypes and Candidate Evaluation"
Director: Leslie Schwindt-Bayer

**Alexander Lowe McAdams**
BA (The University of Mississippi) 2010; MA (University of Massachusetts) 2013; MA (Rice University) 2018
Dissertation in English: "Theophanic Reasoning: Science, Secrets, and the Stars from Spenser to Milton"
Co-Director: Joseph Campana; Co-Director: Sarah Ellenzweig

**Hao Mei**
BS (Tsinghua University) 2014
Dissertation in Chemical and Biomolecular Engineering: "Bottlebrush Polymers for Surface Modification"
Director: Rafael Verduzco

**Qian Mei**
BS (Zhejiang University) 2013
Dissertation in Systems, Synthetic, and Physical Biology: "Bacterial Fragile Sites and Mutational Patterns of Human 'Damageome' Proteins"
Director: Susan M. Rosenberg

**Mary Kaitlyn Miller**
BS (The University of Alabama) 2016; MA (Rice University) 2018
Dissertation in Chemistry: "Organometallic Approaches for Selective Bioconjugation Using Boronic Acids"
Director: Zachary T. Ball

**Sushreyo Misra**
M.Tech (Indian Institute of Technology, Roorkee) 2014
Dissertation in Civil and Environmental Engineering: "Seismic Resilience of Rail-Truck Intermodal Freight Transportation Networks"
Director: Jamie Padgett

**Madeline Monroe**
BS (Carnegie Mellon University) 2015
Dissertation in Bioengineering: "Extracellular Dynamics in Valvular and Vascular Pathophysiology"
Director: K. Jane Grande-Allen

**Seth Aaron Morton**
BA (Michigan State University) 2009; MA (Rice University) 2014
Dissertation in English: "Modernist Interference: Inhuman Frequencies between Modernism and Media"
Director: Judith Roof

# DOCTOR OF PHILOSOPHY *continued*

**Rohan Mukherjee**
MS (Rice University) 2017
Dissertation in Computer Science: "Role of Context in Program Search and Synthesis"
Director: Christopher M. Jermaine

**Minh Nguyen**
BS (Rice University) 2014; MS (Rice University) 2018
Dissertation in Electrical and Computer Engineering: "On the Momentum-based Methods for Training and Designing Deep Neural Networks"
Director: Richard G. Baraniuk

**Weili Nie**
BS (Huazhong University of Science and Technology) 2012; MS (Southeast University) 2015
Dissertation in Electrical and Computer Engineering: "Interpreting Deep Neural Networks and Beyond: Visualization, Learning Dynamics, and Disentanglement"
Director: Ankit B. Patel

**Ewa Magdalena Nowara**
BS (St. Mary's University) 2015; MS (Rice University) 2018
Dissertation in Electrical and Computer Engineering: "Towards Robust Imaging Photoplethysmography in Unconstrained Settings"
Director: Ashok Veeraraghavan

**Atara Stephanie Oliver**
BA (The University of Maryland, Baltimore County) 2013; MA (The University of Maryland, Baltimore)
Dissertation in Economics: "Essays on the Economics of Communication and Disclosure"
Co-Director: Hulya Eraslan; Co-Director: Mallesh Pai

**Jose Luis Olmos**
BS (The University of Texas at Austin) 2014
Dissertation in Biosciences: "Structural Enzymology with X-ray Crystallography Using an X-ray Free Electron Laser"
Director: George N. Phillips

**Shivam Pandey**
BBA (Angelo State University) 2006; MBA (Angelo State University) 2009; MS (The University of Texas Health Science Center at Houston) 2015
Dissertation in Psychological Sciences: "Buzz Buzz: Haptic Cuing of Road Conditions in Autonomous Cars for Drivers Engaged in Secondary Tasks"
Director: Michael Byrne

**Jensine Paoletti**
BS (Washington State University) 2016; MA (Rice University) 2018
Dissertation in Psychological Sciences: "Addressing the Social Support Paradox with a Multidomain Complementary Fit of Desired and Perceived Support"
Director: Eden King

**Anne Olivia Parker**
BA (Rice University) 2013; MA (Rice University) 2017
Dissertation in Religion: "The Radiance of Light: Comparing the Medieval Tibetan and Medieval Latin Biographies of Longchen Rabjam and Bernard of Clairvaux"
Co-Director: Claire Fanger; Co-Director: Anne Carolyn Klein

**Rachael Lindsay Pasierowska**
MS (The University of Edinburgh) 2011; MA (Rice University) 2014
Dissertation in History: "Beasts, Birds, and Bondsmen: Animal and Slave Interactions in the Trans-Atlantic Slave Trade"
Co-Director: James Sidbury; Co-Director: Robert Slenes

**Yuhan Peng**
BS (Hong Kong Baptist University) 2014; MS (Rice University) 2017
Dissertation in Computer Science: "Enabling QoS Controls in Modern Distributed Storage Platforms"
Director: Peter Varman

**Danielle Monique Perdue**
BS (University of Pittsburgh) 2016; MS (Rice University) 2018
Dissertation in Mechanical Engineering: "Flow and Thermal Modeling for Enhanced Direct Contact Membrane Distillation Performance"
Director: Laura Schaefer

**Steven Gregory Perry**
BS (Sam Houston State University) 2013: MA (Sam Houston State University) 2015; MA (Rice University) 2016
Dissertation in Political Science: "Down-Ballot Decision Making: The Effect of Electoral Level on Individual Cognitive Processing & Information Consumption"
Director: Robert Stein

**Jack Petok**
BS (Stanford University) 2015
Dissertation in Mathematics: "Kodaira dimensions of some moduli spaces of special hyperkahler fourfolds"
Director: Anthony Varilly-Alvarado

**Matthew Evan Pezent**
BS (The University of Alabama) 2014; MS (Rice University) 2017
Dissertation in Mechanical Engineering: "Referred Haptic Feedback for Virtual Hand Interactions Through a Bracelet Interface"
Director: Marcia K. O'Malley

**Mallory Pladus**
BA (New York University) 2010; MA (Wake Forest Unviersity) 2013; MA (Rice University) 2018
Dissertation in English: "Literature and the Long Postwar: Recuperating the Post-45 Veteran"
Co-Director: Rosemary Hennessy; Co-Director: Krista Comer

**Allen Calvert Porter**
BA (Princeton University) 2010; MA (Tulane University) 2013; MA (Rice University) 2018
Dissertation in Philosophy: "Social Justice Leftism as Deconstructive Postmodernism"
Director: Steven Crowell

**Daniel A. Prudencio**
BA (Tecnológico de Monterrey) 2013; MA (Tecnológico de Monterrey) 2015
Dissertation in Economics: "Essays on Human and Physical Capital Investments in Developing Countries: Educational Choices, Vocational Aspirations, and Procurement Auctions"
Director: Robin Sickles

**Yi Rao**
BS (University of Rochester) 2013
Dissertation in Bioengineering: "Hyperpolarized [1-13C] Pyruvate-to-[1-13C]Lactate Conversion is Rate Limited by Monocarboxylate Transporter-1 in the Plasma Membrane"
Director: David Piwnica-Worms

**Muqing Ren**
MA (Rice University) 2018
Dissertation in Chemistry: "Laser-Induced Graphene for Energy Application"
Director: James M. Tour

**David Renard**
BS (University of Michigan) 2015; MA (Rice University) 2017
Dissertation in Chemistry: "Synthesis, Modification, and Application of Colloidal Aluminum Nanoparticles"
Director: Naomi J. Halas

**Denise Lucia Reyes**
BS (University of Central Florida) 2014; MA (Rice University) 2018
Dissertation in Psychological Sciences: "Moving Up or Giving Up: How Professional Rejection Sensitivity Impacts Career Success"
Director: Eduardo Salas

**Ian Wesley Taylor Robertson**
AA (John A. Logan College) 2009; BS (Abilene Christian University) 2011; MA (Rice University) 2018
Dissertation in Psychological Sciences: "The Development and Initial Validation of the Trust in Self-Driving Vehicles Scale (TSDV)"
Director: Philip Kortum

**Marcelo Rodrigues Fernandes**
BS (Pontifícia Universidade Católica de Minas Gerais) 2016; MS (Rice University) 2018
Dissertation in Mechanical Engineering: "Hybrid Solar Energy Conversion Enabled by Nanoparticle Filtering"
Director: Laura Schaefer

**Madeleine Roseen**
BS (Worcester Polytechnic Institute) 2015
Dissertation in Bioengineering: "Interfacial Hydrogel Coatings to Improve the Biocompatibility of Bioprosthetic Valves"
Director: K. Jane Grande-Allen

**Onur Sahin**
BS (Pepperdine University) 2015; BA (Pepperdine University) 2015; MMSNE (Rice University) 2018
Dissertation in Materials Science and NanoEngineering: "Radiosensitizing Nanoparticles for Cancer Therapy"
Director: Pulickel M. Ajayan

**Anthony Michael Sciola**
BS (Old Dominion University) 2015; MS (Rice University) 2017
Dissertation in Physics and Astronomy: "Modeling the Space Weather Environment of Terrestrial Exoplanets"
Co-Director: Frank Toffoletto; Co-Director: David Alexander

**Charles Edwin Sebesta**
BS (The University of Texas at Austin) 2011
Dissertation in Bioengineering: "Optimization of Fast Multiplexed Magnetogenetics"
Director: Jacob T. Robinson

**Michael Semmlinger**
BS (Sam Houston State University) 2015; MS (Rice University) 2018
Dissertation in Applied Physics: "Metamaterials for Deep Vacuum Ultraviolet Light Generation and Manipulation"
Director: Naomi J. Halas

**Wei Shi**
BS (Zhejiang University) 2015; MS (Rice University)
Dissertation in Physics and Astronomy: "A Model Independent Search for New Bosons Decaying into Muons at LHC"
Director: Paul Padley

**Wenya Shu**
BS (Anhui University of Technology) 2012; MS (Tongji University) 2015
Dissertation in Civil and Environmental Engineering: "Multiphysics modeling of complex materials and structures"
Director: Ilinca Stanciulescu

**William Sikkema**
BS (Trinity Western University) 2014; MA (Rice University) 2016
Dissertation in Chemistry: "Synthesis and Biomedical Applications of Nanocarbon Based Materials and Devices"
Director: James M. Tour

**Amanda Lee Singer**
BS (Saginaw Valley State University) 2014; MS (Rice University) 2018
Dissertation in Applied Physics: "Magnetoelectric Materials for Wireless Power Delivery to Miniature Bioelectronic Implants"
Director: Jacob T. Robinson

**Ashleigh Dawn Smith McWilliams**
BS (Texas Tech University) 2015; MA (Rice University) 2017
Dissertation in Chemistry: "Investigating the Behavior of Boron Nitride Nanomaterials in Aqueous Surfactant Solutions"
Director: Angel A. Marti

# DOCTOR OF PHILOSOPHY *continued*

**Logan Alexander Smith**
BS (Case Western Reserve University) 2015; MA (Rice University) 2018
Dissertation in Computational and Applied Mathematics: "Integer Programming Techniques for Propagation and Rainbow Connection Problems in Graphs"
Director: Illya V. Hicks

**Shi Su**
BS (Tsinghua University) 2015; MS (Rice University) 2017
Dissertation in Electrical and Computer Engineering: "Data-Driven Optimizations for Downlink MU-MIMO with Client Mobility in WLAN Networks"
Director: Behnaam Aazhang

**Manuela Sushnitha**
BS (Georgia Institute of Technology) 2016
Dissertation in Bioengineering: "Engineering Leukocyte Mimicking Nanoparticles for Targeted Delivery in Triple-Negative Breast Cancer: Biological Versus Cargo-Based Approach"
Co-Director: Omid Veiseh; Co-Director: Francesca Taraballi

**Thomas Colton Symmes**
BA (Macalester College) 2013; MA (Rice University) 2019
Dissertation in Religion: "Dance Music Events"
Director: William Parsons

**Yessenia Cristina Tellez Parrales**
BA (Universidad Centroamericana de Nicaragua) 2008; MA (Duke University) 2011
Dissertation in Business: "Essays on Empirical Banking and Household Finance"
Director: Alexander Butler

**Christopher Thiele**
BS (The University of Kaiserslautern) 2014; MA (Rice University) 2018
Dissertation in Computational and Applied Mathematics: "Iterative Methods and Multiscale Methods for Linear Systems in Modal Discontinuous Galerkin Discretizations"
Director: Beatrice Riviere

**Mai Kim Tran**
BS (The University of Florida) 2016
Dissertation in Materials Science and NanoEngineering: "Sustainable Manufacturing: Greener Materials and Methods for Li-ion Battery Recycling, Supercapacitors, and Smart Windows"
Director: Pulickel M. Ajayan

**Zelma L. Tuthill**
MA (University of Houston) 2014
Dissertation in Sociology: "Marginalized within the Margins: Minority Status, Identity Centrality and Wellbeing"
Director: Bridget Gorman

**Eleanor Dorothy Sophie Vainker**
MA (The University of Edinburgh) 2008; MA (Goldsmiths, University of London) 2009; MA (Rice University) 2017
Dissertation in Anthropology: "Funding Disability: Ambivalences in Nonprofit Fundraising in the United States"
Director: Cymene Howe

**Kerda Varaku**
BA (American University in Bulgaria) 2014; MS (University of Bologna) 2016
Dissertation in Economics: "Essays on Causal Inference and Treatment Effects in Productivity and Finance: Double Robust Machine Learning with Deep Neural Networks and Random Forests"
Co-Director: Robin Sickles; Co-Director: Xun Tang

**Javier Villarreal**
BS (University of Houston) 2013
Dissertation in Mechanical Engineering: "Development of a Meshfree and Matrix-Free Method for Compressible Computational Fluid Dynamics"
Director: Andrew Meade

**Douglas Rothmer Walker**
BS (Idaho State University) 2011; MA (Rice University) 2017
Dissertation in Chemistry: "Prediction, Design, and Control of Self-Assembling Collagen Emulating Peptides"
Director: Jeffrey D. Hartgerink

**Fan Wang**
BS (Shanghai Jiao Tong University) 2015
Dissertation in Materials Science and NanoEngineering: "Reaction Heterogeneities in Lithium Ion Batteries"
Director: Ming Tang

**Luqing Wang**
BS (Shandong Normal University) 2010; MS (Tsinghua University) 2013
Dissertation in Materials Science and NanoEngineering: "First-Principles Study of Properties, Morphology, Synthesis, and Applications of Low-Dimensional Materials"
Director: Boris I. Yakobson

**Minjie Wang**
BS (Fudan University) 2014; MSTAT (Rice University) 2016; MA (Rice University) 2020
Dissertation in Statistics: "Statistical Machine Learning Approaches for Data Integration and Graphical Models"
Director: Genevera I. Allen

**Xiaoyu Wang**
BS (China University of Petroleum) 2009; MS (Imperial College) 2010
Dissertation in Earth, Environmental, and Planetary Sciences: "Controls on Coseismic Rupture and Tsunami Potential Resulting from Great Megathrust Earthquakes: Insights from Discrete Element Simulations"
Director: Julia Morgan

**Xifan Wang**
BS (Sichuan University) 2009; MS (University of Dayton) 2013
Dissertation in Materials Science and NanoEngineering: "Photothermoelectric Effects in Gold Nanostructures"
Director: Douglas Natelson

**Yaxuan Wang**
BS (Harbin Institute of Technology) 2016
Dissertation in Computer Science: "Computational Methods for Inference of Species/Gene Trees and Trait Evolution"
Director: Luay Nakhleh

**Austin Artemis Ward**
BS (The University of Maine) 2016
Dissertation in Materials Science and NanoEngineering: "Structural Evolution and Bonding Mechanisms During Ultrasonic Consolidation of Nanostructured Powders and Foils"
Director: Zachary Cordero

**Logan Gregory Ware**
BA (University of Pennsylvania) 2013
Dissertation in Materials Science and NanoEngineering: "Probing grain boundary structure-property relationships using directionally solidified, grain boundary engineered oligocrystals"
Director: Zachary Cordero

**Emma Watson**
BS (The University of Kansas) 2013
Dissertation in Bioengineering: "Customizable Bone Constructs and Tunable Scaffolds for Craniofacial Tissue Engineering"
Director: Antonios G. Mikos

**Michael Weylandt**
BSE (Princeton University) 2012; MA (Rice University) 2019
Dissertation in Statistics: "Computational and Statistical Methodology for Highly Structured Data"
Director: Katherine B. Ensor

**Ethan Sherman Wilensky-Lanford**
BS (Reed College) 2003; MS (Columbia University) 2007; MA (Rice University) 2016
Dissertation in Anthropology: ""Poor Religious Understanding": Peacebuilding, Secular Islam, and Approaches to Countering Violent Extremism in Kyrgyzstan"
Director: James Faubion

**Brandon Michael Williams**
BA (Central Bible College) 2003; MA (Northern Illinois University) 2012
Dissertation in Philosophy: "Toward a Functional Account of Normative Reasons"
Co-Director: George Sher; Co-Director: Timothy Schroeder

**Clinton Earl Wilson**
MS (The University of Edinburgh) 2012; MA (West Virginia University) 2015; MA (Rice University) 2019
Dissertation in English: "Toxic Media: Poison and Pollution in the Modernist Imaginary, 1915-1965"
Co-Director: Judith Roof; Co-Director: Cary Wolfe

**Amanda Lee Woods**
BS (The University of Central Florida) 2015; MA (Rice University) 2019
Dissertation in Psychological Sciences: "The Impact of Trainer and Trainee Race on Diversity Training Outcomes: Are the Differences Black and White?"
Director: Michelle Hebl

**Zachary James Wright**
BS (The University of North Texas) 2014
Dissertation in Biosciences: "Investigations of peroxisome membrane complexity and biogenesis"
Director: Bonnie Bartel

**Yicheng Wu**
BS (Beijing Normal University) 2015; MS (Rice University) 2018
Dissertation in Applied Physics: "3D Sensing by Optics and Algorithm Co-Design"
Director: Ashok Veeraraghavan

**Yan Xu**
BS (China University of Petroleum) 2011; MS (China University of Petroleum) 2014
Dissertation in Chemical and Biomolecular Engineering: "Understanding Heavy Oil Viscosity Reduction Chemistry Using Metal-Ligand Compounds"
Director: Michael S. Wong

**Youjiang Xu**
BS (Peking University) 2015; MS (Rice University) 2017
Dissertation in Physics and Astronomy: "Designing Quantum Multicritical and Flat-Band Models via Hamiltonian Engineering"
Director: Han Pu

**Chengcheng Yang**
MA (Rice University) 2018
Dissertation in Mathematics: "Properties of Shortest Length Curves Inside Semi-Algebraic Sets and Problems Related to an Erdos Conjecture Concerning Lattice Cubes"
Director: Robert Hardt

**Kaiqi Yang**
BS (Nanjing University) 2015
Dissertation in Materials Science and NanoEngineering: "Mesoscale Modeling of Microstructure Evolution in Lithium Battery Electrode Material"
Director: Ming Tang

**Li Yang**
PhD (Michigan State University) 2013
Dissertation in Business: "Dynamic Pricing Strategies"
Director: Amit Pazgal

**Yao-Hsiang Yang**
BS (National Taiwan University) 2010; BA (National Taiwan University) 2010; MS (National Taiwan University) 2012
Dissertation in Computer Science: "Implicit Programming and Formal Pragmatics"
Director: Robert S. Cartwright

# DOCTOR OF PHILOSOPHY *continued*

**Yuchen Yang**
BS (University of Science and Technology of China) 2015; MA (Rice University) 2017
Dissertation in Computational and Applied Mathematics: "Cluster Analysis for Big-K Data: Models and Algorithms based on K-indicators"
Director: Yin Zhang

**Fengdan Ye**
BS (Peking University) 2015; MS (Rice University) 2018
Dissertation in Physics and Astronomy: "The Modular Network Structure of Complex Biological Systems: Cancer, Cognition and Genes"
Director: Maria B. Pascual

**Emily Marie Yedinak**
BS (Rose-Hulman Institute of Technology) 2009
Dissertation in Materials Science and NanoEngineering: "The Effect of Catalyst Particle Nucleation Dynamics on CNT Growth in FCCVD Systems and Implications for Process Scalability"
Co-Director: Matteo Pasquali; Co-Director: Glen C. Irvin, Jr.

**Hanyi Yi**
BBA (University of Notre Dame) 2016
Dissertation in Business: "Essays on Public Finance"
Director: Alex Butler

**Joseph David Young**
BS (North Carolina State University) 2015; MS (Rice University) 2018
Dissertation in Electrical and Computer Engineering: "Addressing Indirect Functional Connectivity in Neuroscience via Graphical Information Theory: Causality and Coherence"
Director: Behnaam Aazhang

**Lantao Yu**
B.Eng (Tianjin University) 2012; MS (Rice University) 2016
Dissertation in Electrical and Computer Engineering: "Exploring Spatial Resolution in Image Processing"
Director: Michael T. Orchard

**Shan-An Yu**
BS (National Taiwan University) 2011; MS (Rice University) 2016
Dissertation in Applied Physics: "Electronics in 2D: heterojunction, property modulation, and growth"
Director: Boris I. Yakobson

**Binhang Yuan**
BS (Fudan University) 2013; MS (Rice University) 2016
Dissertation in Computer Science: "Distributed Machine Learning Scale Out with Algorighms and Systems"
Director: Christopher M. Jermaine

**Julin Zhang**
BS (Jilin University) 2012; MS (University of Science and Technology of China) 2015
Dissertation in Earth, Environmental, and Planetary Sciences: "The Applications of Data Science to Petrology and Geochemistry"
Director: Cin-Ty Lee

**Lin-Yi Zhang**
BS (East China Normal University) 2012; MS (East China Normal University) 2015
Dissertation in Biosciences: "Divergent Host Use Promotes Reproductive Isolation Between Populations of Gall-Forming Insects"
Director: Scott P. Egan

**Ming Zhang**
BS (Nanjing University) 2016; MS (Rice University) 2019
Dissertation in Applied Physics: "Design of All-dielectric Metasurfaces for Vacuum Ultraviolet Applications"
Director: Peter Nordlander

**Yabin Zhang**
BS (University of California, Los Angeles) 2015; MA (Rice University) 2017
Dissertation in Computational and Applied Mathematics: "Numerical Methods for Boundary Integral Equations"
Director: Adrianna Gillman

**Dongyang Zhu**
B.Eng (Tianjin University) 2016
Dissertation in Chemical and Biomolecular Engineering: "Synthesis, Activation, and Transformation of Covalent Organic Frameworks"
Director: Rafael Verduzco

**Ziyi Zhu**
BS (Carnegie Mellon University) 2014
Dissertation in Chemical and Biomolecular Engineering: "Simulation of Model Colloidal Systems in Confined Geometries"
Director: Sibani Lisa Biswal

# Doctor of Musical Arts

**Christopher Michael Besch**
BM (Lawrence University) 2009; MMUS (Rice University) 2011
Dissertation in Music: "Understanding and Applying the Spectograph in Vocal Pedagogy"
Director: Gregory Barnett

**Theophilus Chandler**
BM (Oberlin Conservatory) 2014; MM (The Juilliard School) 2016
Dissertation in Music: "His Body Lies, His Soul Marches"
Director: Pierre Jalbert

**Jun Young Cho**
BM (The Julliard School) 2010; MM (The Julliard School) 2012
Dissertation in Music: "Henri Dutilleaux's Piano Sonata: The Revival of French Modernism"
Director: Pierre Jalbert

**Michael Winston Clark**
BM (Ithaca College) 2014; MM (University of Houston) 2016
Dissertation in Music: "A History of Keyboard Hand Division: Note (Re)Distribution in Keyboard Music from the Renaissance to the Twentieth Century"
Director: Karim Al-Zand

**Likai He**
BM (Columbus State University) 2015; MMUS (Rice University) 2017
Dissertation in Music: "A Study of Hindemith's Violin Concerto"
Director: Arthur Gottschalk

**Geoffrey Herd**
BM (Cleveland Institute of Music) 2008; MM (Cleveland Institute of Music) 2010; AD (Yale University) 2012
Dissertation in Music: "Historical Precedents to Bach's Sonatas and Partitas: Some Suggestions for Solo Violin Pedagogy"
Director: Gregory Barnett

**David Andrew Jones**
BMA (Brigham Young University-Idaho) 2015; MM (Brigham Young University) 2017
Dissertation in Music: "Nothing So Exquisite"
Director: Arthur Gottschalk

**Yena Lee**
MMA (Yale School of Music) 2015; MM (Yale School of Music) 2016
Dissertation in Music: "Musical Resistance Against Cultural Repression in the Soviet Union: A Comparative Study of the Prokofiev Violin Sonata in F Minor Op.80 and Shostakovich Violin Sonata in G Major Op.134"
Director: Pierre Jalbert

**Timothy Brennan Steeves**
BM (University of Michigan) 2012; MM (University of Michigan) 2014
Dissertation in Music: "Concertare and Conserere: Debate and Concord in the Twenty-first Century Violin Concerto"
Director: Anthony Brandt

**Zhu Zhu**
BM (University of Michigan) 2010; MMUS (Rice University) 2012
Dissertation in Music: "Convergence: Unveiling the Yanyue Modal System of the Tang Dynasty"
Director: Anthony Brandt

# Master of Arts

**Paul Andrade Advincula**
*Chemistry*

**Aliasghar Alizadehmojarad**
*Chemistry*

**Chano Arreguin-Abarca**
*Political Science*

**Sara Biesiadny**
*Statistics*

**Leah Binkovitz**
*Sociology*

**Christian Oliver Blacet**
*Philosophy*

**Phylicia Xin Yi Lee Brown**
*Sociology*

**Seth Douglas Brown**
*Computational and Applied Mathematics*

**Paul William Winter Burch**
*English*

**Michelle Ai-Lien Chen**
*Psychological Sciences*

**Weiyin Chen**
*Chemistry*

**Zhihua Cheng**
*Chemistry*

**Konner Childers**
*Religion*

**Crystal Brooke Clark**
*English*

**John Mayer Crum**
*History*

**DeAnna Monique Daniels**
*Religion*

**Sonia Marie Del Hierro**
*English*

**Jonathan Neil Delavan**
*Religion*

**Neel Desai**
*Statistics*

**Gonzalo Agustin Di Landro Francis Sr.**
*Political Science*

**Maomao Ding**
*Statistics*

**Shani Dessie Inell Diouf**
*Religion*

**Christopher David Dohna**
*Philosophy*

**Mahmoud El-Youssef**
*Philosophy*

**Vanessa Briana Espinoza**
*Chemistry*

**Iris Etchevarren Acquarone**
*Political Science*

**Carlynn Fagnant**
*Statistics*

**Learned Michael Foote**
*Religion*

**Quintin Gorman Jr.**
*Sociology*

**Niklas Gross**
*Chemistry*

**Xinyu Gu**
*Chemistry*

**Gustavo Andres Guajardo Sr.**
*Political Science*

**Kristin Gupta**
*Anthropology*

**Allegra Eva Hernandez**
*Political Science*

**Oihane Iglesias Telleria**
*Religion*

**Sarah Tucker Irons**
*Psychological Sciences*

**Colin J. Jones**
*Political Science*

**Min Ju Kim**
*Sociology*

**Nathaniel James Kroeger**
*Computational and Applied Mathematics*

**Apoorv Kushwaha**
*Chemistry*

**Dayong Lee**
*Political Science*

**Kunhua Lei**
*Chemistry*

**Bethany Lewis**
*Sociology*

**Muxiao Li**
*Chemistry*

**Lu Lin**
*Computational and Applied Mathematics*

**Yimin Lin**
*Computational and Applied Mathematics*

**Kexin Ling**
*Chemistry*

**Rongjie Liu**
*Statistics*

**Cecilia Martinez Jimenez**
*Chemistry*

**Meredith McCullough**
*English*

**Kelly Alicia McKisson**
*English*

**Kyle James Myers**
*History*

**Jamale Nagi**
*Philosophy*

**Nathan Osborne**
*Statistics*

**Stanislav Panin**
*Religion*

**Athanasios Papastathopoulos-Katsaros**
*Chemistry*

**Caroline Marie Peterson**
*Chemistry*

**Aaron Pixley**
*Religion*

**Daniel A. Prudencio**
*Economics*

**Long Qian**
*Chemistry*

**Timothy James Quinn**
*Anthropology*

**Karine Raynor**
*Art History*

**Sarah Robinson**
*Statistics*

**Erick Noe Samayoa**
*Sociology*

**Emily Searles**
*Chemistry*

**Christopher Patrick Senn**
*Religion*

**Boqian Shen**
*Computational and Applied Mathematics*

**Kyle Monroe Smith**
*Religion*

**David Solti**
*Chemistry*

**Samuel Fletcher Stoeltje**
*English*

**Connor James Storck**
*Religion*

**Julia Szabo**
*Sociology*

**Kerda Varaku**
*Statistics*

**Minjie Wang**
*Statistics*

**Xianni Wang**
*Psychological Sciences*

**Zhengjia Wang**
*Statistics*

**Ivy Danielle Watson**
*Psychological Sciences*

**Bradley Weaver**
*Psychological Sciences*

**Stephen Westich**
*Art History*

**Logan Tyler Wigglesworth**
*Philosophy*

**Brandon Craig Wilson**
*Religion*

**Els Willeke Woudstra**
*English*

**Kuan-Lin Wu**
*Chemistry*

**Zhi Yang**
*Chemistry*

**Iryna Zaporozhets**
*Chemistry*

**Wan Zhang**
*Philosophy*

**Gladys Josefina Zubiria Fuentes**
*Political Science*

# MASTER OF SCIENCE

**Moneer S. Alenezi**
*Chemical and Biomolecular Engineering*

**Stephen A. Alexander**
*Mechanical Engineering*

**Anton Reza Banta**
*Electrical and Computer Engineering*

**Sagarika Basak**
*Physics and Astronomy*

**Tanyel Baykut**
*Earth, Environmental, and Planetary Sciences*

**Thomas Michael Blaney**
*Civil and Environmental Engineering*

**John Ellis Britt**
*Mechanical Engineering*

**Lebing Chen**
*Physics and Astronomy*

**LiYang Chen**
*Applied Physics*

**Wenwan Chen**
*Electrical and Computer Engineering*

**Zhican Chen**
*Electrical and Computer Engineering*

**Ziying Chen**
*Electrical and Computer Engineering*

**Meghana Vasudha Oris Chilukuri**
*Computer Science*

**Prakash Reddy Chintakunta**
*Applied Physics*

**Joshua Philip Chu**
*Electrical and Computer Engineering*

**Ian Christopher Cone**
*Applied Physics*

**Seth Michael Davis**
*Physics and Astronomy*

**Matthew Steven Decaro**
*Physics and Astronomy*

**Mohammadamin Edrisi**
*Computer Science*

**Negar Erfanian Taghvayi**
*Electrical and Computer Engineering*

**Emily Falksen**
*Earth, Environmental, and Planetary Sciences*

**Joshua John Fleck**
*Mechanical Engineering*

**Meera Gadit**
*Civil and Environmental Engineering*

**Parker Taittinger Gardner**
*Physics and Astronomy*

**Burak Gerislioglu**
*Applied Physics*

**Namitha Godawatte Liyanage**
*Electrical and Computer Engineering*

**Aravind Chenrayan Govindaraju**
*Applied Physics*

**Matthew Green**
*Mechanical Engineering*

**Anna Guseva**
*Biosciences*

**Ze He**
*Chemical and Biomolecular Engineering*

**Ramla Ijaz**
*Electrical and Computer Engineering*

**Hana K. Jaafari**
*Applied Physics*

**Mingchao Jiang**
*Computer Science*

**Lingbo Jin**
*Electrical and Computer Engineering*

**Jill C. Juneau**
*Electrical and Computer Engineering*

**Qiao Kang**
*Computer Science*

**Natsumi Komatsu**
*Electrical and Computer Engineering*

**Boning Li**
*Electrical and Computer Engineering*

**Xiaoyu Li**
*Civil and Environmental Engineering*

**Xinhao Liu**
*Computer Science*

**Zhuohe Liu**
*Electrical and Computer Engineering*

**Alix Macklin**
*Electrical and Computer Engineering*

**Nicolas Sebasti Marquez Peraca**
*Physics and Astronomy*

**Tharun Kumar Reddy Medini**
*Electrical and Computer Engineering*

**Nishant Mehrotra**
*Electrical and Computer Engineering*

**James Edward Jameson Newman**
*Computer Science*

**Maria Jose Pelaez Soni**
*Applied Physics*

**Haad Yaqub Rathore**
*Applied Physics*

**Eric William Rice**
*Civil and Environmental Engineering*

**Ameesh R. Shah**
*Computer Science*

**Rachel Anne Shveda**
*Mechanical Engineering*

**Graham Dodsworth Smith**
*Mechanical Engineering*

**Shashank Sonkar**
*Electrical and Computer Engineering*

**Tonghui Su**
*Materials Science and NanoEngineering*

**Albert T. Truong**
*Biosciences*

**Cheng Wan**
*Electrical and Computer Engineering*

**Yue Wang**
*Electrical and Computer Engineering*

**Yu Yin**
*Bioengineering*

**Mohammad Zalbagi Darestani**
*Electrical and Computer Engineering*

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# Master of Chemical Engineering

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# Master of Civil and Environmental Engineering

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# Master of Computational Science and Engineering

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# Master of Computer Science

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Su Zhang
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## Master of Electrical Engineering

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## Master of Industrial Engineering

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## Master of Materials Science and NanoEngineering

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## Master of Statistics

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## Master of Science in Bioscience and Health Policy

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## Master of Science in Environmental Analysis

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# Master of Science in Space Studies

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# Master of Science in Subsurface Geoscience

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# Master of Science Teaching

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# Master of Architecture

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Katherine Ann Gullick
Michael Stephen Hernandez
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# Master of Music

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# Master of Accounting

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# Master of Business Administration

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Harrison Cody Brann
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# MASTER OF BUSINESS ADMINISTRATION *continued*

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Anders Storaune
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## Master of Arts in Global Affairs

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## Master of Energy Economics

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## Master of Human-Computer Interaction and Human Factors

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## Master of Arts in Teaching

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## Master of Liberal Studies

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## Diploma in Liberal Studies

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## Graduate Certificate in Critical and Cultural Theory

Baird Cameron Campbell
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Eleanor Dorothy Sophie Vainker
Clinton Earl Wilson

## Graduate Certificate in Gnosticism, Esotericism and Mysticism

Jonathan Neil Delavan
Connor James Storck
Yao-Hsiang Yang

## Graduate Certificate in the Study of Women, Gender and Sexuality

Marbella Allen
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Zelma L Tuthill
Eleanor Dorothy Sophie Vaiker

## Graduate Certificate in Teaching and Learning

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# Bachelor of Architecture

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# Bachelor of Arts

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# BACHELOR OF ARTS *continued*

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Trent Thomas Herndon
Chase Montgomery Hinman
Jennifer Ho
Johnny D. Ho
Lauren Thuy-An Hoang
Samuel Charles Holloway
Jessica Riley Holmes
Emily Elizabeth Hook
Wei-Lin Hsiao
Chuyue Huang
Jasper Shih-Cheng Huang
Jian Huang
Julia Panwen Huang
Linda Li Huang
Sabrina G. Huang
Yiying Huang
JaVante Craig Hubbard
Joseph Nikalaus Hubner
Loryn Aline Hudson
Priscilla Kyoungeun Huh
Camryn Skylar Hummel
Yujia Huo
Najah Nailah Hussain
Emily Yi-Ling Hwang
Ji Woo Hwang
Julia Rose Iacono
Vicente Andres Iglesias
Zain Syed Imam
Shreya Mukund Ingle
Nafisa Rashid Istami
Sara Ivackovic
Aaryan Jadhav
Tanvi Hemant Jadhav
Anika Apsara Jain
Naadir Hyder Jamal
Seung Hun Jang
Suah Jang
Oscar Carl Viktor Janglin
Grant Macon Jarvis
Ginny Jeon
Nicholas A. Jerge
Alan Baonan Ji
Mengjia Burgstahler Jiang
Wenyu Jiang
Aanu-Oluwa Mercy Jibodu
Sarah M. Jin
Whitney Jin
Janell Ann Johnson
Michelle O. Johnson
Noah Taylor Johnson
Arya F. Jones
Lindsay Tobias Josephs
Derrick M. Kagwanja
Lavina L. Kalwani
Spoorthi Kamepalli
Geli C. Kane
Jade Hisae Kanemitsu
Lauren Ju-Rhee Kang
Nathan Kaplan
Maxim Samuel Karoubi
Vivekanudeep Karri
Jacob Ian Kaskel
Varun Kataria
Rebecca June Keane
Rishi Kejriwal
Uma A. Kelavkar
Katie Yumi Kelman
Noah James Keogh
Aurora Jane Kesler
Danielle Alexander Kessler
Aakanksha S. Khadye
Fatimah Khan
Julia Annabelle Kidd
Patrick Nicolas Kidd
Aujin Kim
Hannah S. Kim
Jeeyoon S. Kim
Mingee Kim
Saerom Kim
Sarah Kim
Stefanie Felicity King
Mikayla V. Knutson
Julia Frances Kolbe
Elena Komiya
Panayiotis Kontoyiannis
Anchith Kota
Natalia Helena Koziel
Sunskruthi Ravika Krishna
Harish Krishnamoorthy
Sanjana Kavya Krishnan
Erin Victoria Krusleski
Rohini Kumar
Viswajith Kumar
Bhavana Kunisetty
Audrey E. Kuykendall
Albert Kwon
Morgan Noelle Laaksonen
Nina Anjali Lahoti
Vincent Duc Khiem Lai
Coleman Stephen Lambo
Katherine Claire Landry
Benjamin Jon Lasota
Adam Gerard Lawrence
Brian-Cuong Teh Le
Andrew Joseph Ledet
Christina Hunjee Lee
Erica Yoonjie Lee
Hyun Sung Lee
Jason Lee
Rachel Hyesoo Lee
Romi Lee
Hannah Y. Lei
Jake Lei
Theresa Marie Leibig
Jiaye Li
Linjing Li
Taida Li
Winifred W. Li
Jacob Alejandro Liang
Augustin Daniel Liebster
Matthew Sun-Gyu Lim
Nicole Reina Limberg
Amy Sue Lin
Angela G. Lin
Max Lin
Yidong Lin
Nikolas Karl Lindauer
Hattie Amelia Lindell
Elijah M. Lipkin
Christina Shijia Liu
George X. Liu
Judy Xinyi Liu
Randy Liu
Richard Y. Liu
Xinyun Liu
Yikai Liu
Yiyue Liu
Davoneshia Ethena Lollis
Lizette Lopez Guizar
Fredy Rene Lopez-Durante
Leslie Loredo
Harrison T. Lorenzen
Annie Jasmine Lu
Grace Lu
Hao Yang Lu
Molly Lu
Zhihan Lu
Pierson Kent Lund
Jared Anthony Lyons
Vineel R. Mallepalli
Kyle Shaun Manning
Jingxin Mao
Chloe Isabella Marcheli
Raquel Amelia Marroquin
Evan Marshman
Lia Teresa Martin
Micah Ashlyne Martin
Marcus B. Martinez
Juan Pablo Martinez Cordeiro
Remy Joann Mathews
Lindsay Rebecca Mathys
Simona Eveline Matovic

# BACHELOR OF ARTS *continued*

Alexis Brianna McAlister
Christopher James McCarthy
Sean Gillen McCormick
Patrick Douglas Mccoy
Zachary Taylor Austin McCray
Pamela Ruth McInturff
Cordy Allen McJunkins
Amanda Claire McMaster
Sara Alejandra Mendiola
Le Meng
Rahel Rezene Michael
Owen Edward Michals
Jeffrey Robert Michel
Bryce William Miller
Madison Grace Miller
Sonali Mitra
Spencer Moffat
Sana A. Mohamed
Emily Marie Mohlin
Takahiro Anderson Mollenkamp
Payton C. Moore
Cole M. Morgan
Rynd Iselle Morgan
Olivia J. Morris
Geri-Ann Bateesa N. Mpagi
Amy Wendy Mu
Andrew M. Mu
Vatsala Mundra
William Sutton Mundy
Zachary Raymond Murphy
Bria A. Murray
Kassidy Faye Muse
Avery Anne Myers
Jordan Cameron Myers
Mariana Nájera
Bryan Andrew Najera Demoraes
Dhruv Nandakumar
Kazi Rayat Nassif
Vikram Vishnu Nayar
Flora Augusta Naylor
Roma Sanjali Nayyar
Anona Claire Neal
Mary Claire Neal
Skylar Francesca Neuendorff
Dasharm Marquise Newsome
Michael Richard Ngan
Kevin T. Ngo
Madeline Ai-Vy Ngo
Victor Tien Ngoc Nguyen
Justin Ning
Michelle Niu
Rebecca Anne Noel
Axel K. Ntamatungiro
Chloe Noelle Pilarca Oani
Abhishek Reddy Obili
Lidia Jaqueline Ochoa
Jason Daniel Ofman
Alison Hyunji Oh
Christina So-Ye Oh
Jung Yun Oh
Seung Yoon Oh
Toju James Okotie-Eboh
Leah Alexandra Olivo
Miles Powell Olson
Sofia C. Opel
Hugh Joseph O'Reilly
Austin Michael Orewiler
Carlos Javier Orozco
Connor Mark O'Sullivan
Gabrielle Chiamka Ozoude
Audrey Noelle Paetzel
Lauren Rebecca Palladino
Ellery Yvonne Parish
Bokyoung Park
Flora Seoyoung Park
Jung Woo Park
Nathanael Jinwoo Park
Sophia Keila Parker
Khayla Jayesh Patel
Radhika B. Patel
Sahiti Divya Patibandla
Sahil Patnayakuni
Alexander Bruce Patterson
Garry David Patterson
Javen A. Patton
Anamitra Paul
Lauren Elizabeth Payne
George Antonio Pazos
Arjun S. Peddireddy
Gerardo Penchyna Cardenas
Enoch Taylor Peng
Emily Kathleen Pepperl
Luis Guillermo Perales
Sophia Goldie Pereira
Braden Thomas Perryman
Andrew Van Pham
Vy L. Pham
Anderson Roy Phillips
Ashley Michelle Phillips
Taylor O. Phillips
Camille Pierre-Louis
Esther Joelle Plants
Stephanie A. Ponce
Tate Riley Poplin
Sahana Prabhu
Nishant Milind Pradhan
Carmen Lizeth Prado
Cahlin Nagesh Pragada
Nia Victoria Prince
Amy Qin
Ryan Quach
Noushin Naowar Quazi
Samuel Xavier Ramirez
Logan Braden Rance
Anne Marie Rara
Connor A. Rasmussen
Neel Rebotee
Samuel James Reddick
Kartik Inta Reddy
Evan Danielle Reed
Rene Edmund Reeder
Elizabeth Rosi Reeves
Tucker Blake Reinhardt
Sophia Claire Reitich
Jefferson S. Ren
Paula Dolores Rescala
Bryanah Simone Rideaux
Frederick Daniel Robinson
Julia Mariposa Robinson
Eric A. Rodriguez
Richon Arielle Rogers
Alexander Ron
William Conor Rork
Connor Lawson Rothschild
Emily Roy
Bradley Mitchell Rozner
Conrad Gen Russell
Arisa Sadeghpour
Sanvitti Sahdev
Moushumi Sahu
Tyler Coble Sakakeeny
Anthony Joseph Saliba
Duncan Ryan Salmon
Isabel Maria Samperio
Juliana Marie Sampson
Jonathan Jacob Sanchez
James Christian Sanft
Catalina Santamaria
Donald Chace Sarchet
Astrid A. Sarfo
Brianna Juenmei Satow
William Daniel Sayre
Madeleine Cait Scannell
Sophie Kathleen Schellhammer
Tessa E. Schreiber
Matthew Sinclair Schulze
Harold Cecil Schuman
Kimberly Francesca Schuster
Ethan James Schweissing
Allen Logan Sellers
Alicia Isabella Selvera
Sarasota Eastis Serulneck
Manuj Mayank Shah
Jessica Lauren Sheldon
David Y. Shen
Laura Madeleine Shen
Wangden Phintso Sherpa
Arya Jai Shetty
Caleb J. Shi
Franklin Harrison Shi
Junjie Shi
Tianyi Shi
Karen Tina Shore
Samuel Louis Shuman
Sarah Siddiqui
Emma Moriah Siegel
Natalie Estella Siejczuk
Daniela Alejandra Sierra
Jasmin Brianna Silva
Caitlin Temple Simcox
Alyce Cymone Simien
Sage Noelle Simmons
Anukriti Singh
Priya Jagdish Singh
Lorraine Ellen Singleton
Ronald Emerson Slimp
Eli Samuel Smith
Naeem Smith
Ashley Elizabeth Snell
Lillibeth C. Snellman
Leon Bernard Soifer
Viviano Solano
Nicholas O. Sorensen
Serra Sozen
Nolan Victor Spencer
Samuel Spitz
Nitin Srinivasan
Sai Aditya Sriram
Elliot Reza Stahr
Kristian Dean Stengel
Adam Subel
Jinyuan Sun
Alexander Karl Swart
Carlos Arturo Tafur
Toluwani Esther Taiwo
Grace Z. Tan
Xin Tan
Yingxuan Tan
Daniel Tang
Evelyne Kezia Tantry
Mahima Tatam
Chinthana Thangavel
Timothy Hughes Thomas
Tyrae K. Thornton
Marcus Andrew Tierrablanca
Margaret Rebecca Todd
Mai Han Nu Ton
Alessandro Antonio Topini
Alejandro Torrebiarte
Hannah Megan Towbin
John Perry Townley
Stephen Austin Trammell
Stephanie Trejo Corona
Mark Daniel Trevino
Cody Alexander Treybig
Clarise Eleigh Trinh
Ashley Jifan Tsang
Madeleine Claire Turner
Jonathan Pierre Ubalijoro
Anene Kelechi Uwanamodo
Bradley Mitchell Van Allen
Erin Marieka Van Dolder
Varsha Varghese
Andres Vasquez
Varsha Sree Veeramachaneni

# Bachelor of Arts *continued*

Ananya Maragath Venkata Subramanian
Aurelia Ellen Vick
Christopher Daniel Villarreal
Citlali Nayeli Villarreal
Faraz Ali Virani
Aadith Sivaramakrishna Vittala
Shruti Wadhwa
Molly Collins Wancewicz
Christine Wang
Daniel Wang
Emily Yishing Wang
Frederick Pingfan Wang
Jennifer Lee Wang
Jue Wang
Peter Ronghan Wang
Qihan Wang
Roger Yau Fu Wang
Sharon Wang
Shengqing Wang
Xueyuan Wang
Zishi Wang
Winston Lewis Ware
Ruby Elaine Watson
Noah Judson John Webb
Austin Scott Weber
Annabel Wei
Chelsey Lin Wen
Madeline Kay West
Collin Thomas Whitaker
Jackson Richard White
Seamus M. Whoriskey
Mikaela Elizabeth Wilbur
Vivian C. Wilhelms
Leevy Rachel Williams
Mae Lilian Wismar
Eitan Woloski
Alice J. Wong
Brendan Wong
Calvin Wayne Wong
Sarah M. Woodfin
Allison Wu
Melody Xiao
Robin Xiao
Stephanie Tan Xie
Virginia Y. Xie
Diana Jingya Xu
Karen Xu
Kevin Xu
Yiyang Xu
Anthony Yan
Amanda Elise Yang
Annie A. Yang
Frank Yuan-Shaw Yang
Rosemary Yang
Zixin Ye
Sree Surya Yeluri
Denizhan Yigitbas
Yixuan Ying
Joycelyn C. Yiu
Laura Yordan
Emma Radha Young
Zachary Luis Zalles
Adrianna Maria Zambrano
Ken Gary Zeng
Ruizi Zeng
Annie Y. Zhang
Hongyu Zhang
Keming Zhang
Miao Zhang
Sean H. Zhang
Vincent Zhang
Yifei Zhang
Yifei Zhang
Norman Chen Zheng
Wenyi Zheng
Hanji Zhou
Jingyi Zhou
Junyi Zhou
Oliver Fongray Zhou
Shelly Zhou
Shichong Zhou
Youshan Zhou
Katy Fan Zhu
Ezer Alejandro Zuniga

# Bachelor of Science

Joshua Anil
Preetham Sai Bachina
Matthew Robert Barclay
James Brandon Beattie
Maura Lynn Boerio
Samantha L. Breaux
Aaron Kirk Chait
Stephen Andrew Chamness
Colin Edward Chan
Karen Chen
Nicholas Alan Coupey
Vy C. Dang
Samiksha Reddy Deme
Anthony Peter D'Souza
Lani Rose DuFresne
Dany Badawi El-Najjar
Martina Christine Faciane
Fabio M. Fasanelli
Mark Henry Flanagan
Nicolas Hugo Gargurevich
Natalie Anne Gault
Gabriel J. Gress
Theodore Augustus Grosson
Meagan Noel Hale
Gabriella Giulia Hazan
Dustin Edward Ho
Emily Anna Huth
Thanh C. Huynh
Claire Elise Jahnke
Nicholas A. Jerge
Meghan Kapur
James George Karroum
Spencer J. Kawachika
Nicola Rachel Feder Knowles
Kimberly Sheenru Ku
John Tianci Li
Hui Liu
Xinyun Liu
Priyansh Lunia
Alexander Maxmilian McDonald
Cody Xian Meng
Rachael Ksenia Metruck
Mahlet Bayleyegn Molla
Aditya N. More
Madison McGlassen Morris
Vatsala Mundra
Avery Anne Myers
Haoming Ning
Alejandro Ernesto Oranday
Guillermo Ortiz Ahedo
Connor Mark O'Sullivan
Isabella Osuna
Christian Alexander Owens
Anamitra Paul
Lillie Faith Plaza
Alexandros Steven Pollatos
Joseph Michael Price
Kristen Michelle Rabbitt
Rishab Ramapriyan
Anna Kathryn Reed
Cailey Ann Renken
Hannah M. Roberts
Amy Michelle Roush
Ella Catherine Segal
Manuj Mayank Shah
Shruti Naresh Shah
Kyle Sheetal Sheth
Arya Jai Shetty
Clayton Printz Siminski
Lillibeth C. Snellman
Christina Alicia Stoner
Alexander Karl Swart
Allison Ann Taffet
Xin Tan
Akash Tarkunde
Stephanie Trejo Corona
Michael Tsay
Mirella Dimitrova Vassilev
Andressa L. Viol
Aadith Sivaramakrishna Vittala
Ruohan Wang
Jackson Richard White
Sarah M. Woodfin
Yirong Yang
Joycelyn C. Yiu

# Bachelor of Science in Bioengineering

Hunter Ricardo Adams
John Frederick Ahrens
Hannah Catherine Andersen
Paula Carolina Ayala
Patrick Bi
Keaton Andrew Blazer
Franklin Daniel Briones
Rachel D. Bui
Jeremy L. Castro
Athena Jiunshi Chien
Yufei Cui
Shuyang Fan
Shade Verane Flavien
Keeler X. Gonzales
Diego H. Gonzalez
Caterina Grasso Goebel
Haafiz Binusha Hashim
Zuhair Z. Hawa
Dora Huang
Carrigan Dawn Hudgins

# Bachelor of Science in Bioengineering *continued*

Austin Hwang
Kaiyi Jiang
Ji Yoon Jung
Pranav B. Khemka
Nimisha Kumar Krishnaswamy
Irene Kyungrin Kwon
Benjamin Jon Lasota
Lilith Delan Liang
Shujian Lin
Jiayu Liu
Linda Bao Liu
Cooper Whitmore Lueck
Adalberto F. Machin
Samantha Lee McClendon
Aarohi Mahesh Mehendale
Pujita Sai Reddy Munnangi
Saideep Narendrula
Cory Pan
Lon Kai Pang
Marisa Ann Prevost
Rithika R. Proddutoor
Rishi Ramesh
Alexandre Rubinstein
Martha Sofia Ruiz Castillo
Tate Edward Shannon
Anushi S. Singhal
Isuru Ashan Somawardana
Eric Daniel Torres
Anh Hoang Vu
Zengyi Wan
Bill Y. Wang
Mykia M. Washington
Jack Alexander Wilson
Nathaniel Wing Yan Wu
Zhuoran Yao
Thomas Haoxiang Zhang
Norman Chen Zheng

# Bachelor of Science in Chemical Engineering

Raiha Abbas
Raidah Nawar Ahmed
Morgan Jaye Alana
Jonathan Scott Bloom
Christopher Rafael Botello
James Maxim Brigman
Valentina Camacho
Lauren Chiang
Julia Anne Coco
Alexander Lukasz Curylo
Patrick James Eifert
Briana Farias
Samantha Suzanne Fowler
Katelyn Doris Givan
Lea Margo Godret-Miertschin
Paras Gupta
Evan Philip Kane
David Saah Karngba
Maria Fernanda Leal
Brendan Connor Ni
Aaron Yong Pan
Evelyn Lily Rice
Ruth Viviana Marie Young

# Bachelor of Science in Civil Engineering

Sabrina Anna Bisaga
Justin Avery Bishop
Kaitlin Marie DeSpain
Kelly Dong
Laura Melissa Garza
Loren Nicole Goddard
Kaede Nhu Gordon
Clare Marie Hubbell
Amy Lyn Jiang
Ji Won Kim
David W. King
Steven Thomas Saltos Kochvar
Hope Marleaux Lawrence
Stephany Michelle Marchany
Hannah Ellen Meeks
Dylan Alexander Riddell
Hazel L. Scott
Mario Alejandro Sosa
Henry Cooper Ulrich
Briggs Tomas Weathington

# Bachelor of Science in Computer Science

Kyran Park Adams
Ayooluwa Akinmade
Andrew Winston Barnett
Emmett Addison Bertram
Andrew Markham Bonar
Emily Chang
Timothy Cheng
Muthu M. Chidambaram
Rohit Lalit Chouhan
Daniel Premo Christl
Evan Ross Dekhayser
Melinda Jiayu Ding
Jiamu Feng
Minqi Fu
Pinglan Gao
Josephine Petra Garza
Laura Goon
Shryans Goyal
Jinjing Guo
Diksha Gupta
Valerie Amanda Hellmer
Brian Evan Hoepfl
Jingyi Huang
Amy Winglam Huyen
Angela Lydia Hwang
Wilson Ming Jeng
Jianan Jiang
Siqi Jiang
Matthew Alexander Joss
Haolun Kang
Byungjun Kim
William Peter Ledig
JungWoo Lee
Anthony Mata
Skylar Francesca Neuendorff
Timothy Lee Newton
Edward Menghan Ni
John Patrick Furlong Nickels
Andrew Jacob Obler
Oren Daniel Pazgal
Yiyun Peng
Rahul Uday Popat
Noushin Naowar Quazi
Myra Murashima Ramdenbourg
Gayatri Rajesh Sawant
Adam Schueller
Hongyu Shen
Qifeng Sheng
Tzu-Chen Su
Jinyuan Sun
Jamie Liang Tan
Luis E. Vera Garza
Minh Tuan Vu
Thanh P. Vu
Christine Weiwen Wang
Qihan Wang
Zishi Wang
Alice J. Wong
Kevin Xu
Yiyang Xu
Minghao Yan
Yixuan Ying
Benjamin Jieming Zheng

# Bachelor of Science in Electrical Engineering

Zachary Joseph Alvear
Armando Amigon
Joshua S. Bae
Nolan Adam Bitner
Justin Earl Bryant
Rene David Carballo
Haoze Chen
Ye Chen
Patrick Joseph Chickey
Julia Rose Coyner
Graham Christopher Curtis
Aneel Mawji Damaraju
Daniel Moody De Grasse
Daniel P. Fay
Nikhita Gangla
Tia Anukis Gray
Chiraag Vivek Kaushik
Thomas Aidan Keller
Joshua Adam Kowal
Anirudh Sai Kuchibhatla
Fernanda Lago Arroyo
Sang-Hyun Alex Lee
James Winchester Lewis
Maojing Lin
Ohifeme Tiwalayo Longe
Kevin Octavio Mejia
Zachary Douglas Moxley
Andrew Van Pham
Anderson Roy Phillips
Kunal S. Rai
Tucker Blake Reinhardt
Xander L. Spriggs
Nicole Tan
Derrick S. Torres
Kevin Tu
Cameron Lee Walton
Frank Yuan-Shaw Yang
Denizhan Yigitbas

# Bachelor of Science in Materials Science and NanoEngineering

Alexandro I. DeAnda
Natalie Morgan Goddard
Seohui Jung
Samantha Ledesma

# Bachelor of Science in Mechanical Engineering

Mathias Solomon Adamu
Mayank Ahuja
Grant Brooks Anderson
Joshua Brandel
Samuel Nathan Brehm
Brittany Minh-Hanh Bui
Keegan D. Cannell
Bernardo Castro Chalate
Annabel May Chang
Anthony Case Charletta
Brian Chen
Wyatt Carlos Crider
Brian Anh Dinh
Emma Catherine Duval
Nicolas Robert Escobar
Hope K. Fa-Kaji
Christopher J. Fang
Xiaoyao Gao
Matthew Stephen Grossman
Katherine Carolina Hu
Anna Elizabeth Jorgensen
Zhenlin Kan
John Ryan Keogh
Rahul Kilambi
Hociel Landa
Nicholas Eric Lester
Pierson Kent Lund
Juan Pablo Martinez Cordeiro
Jeffrey Robert Michel
Francisco David Montano Ostrander
Jose Octaviano Morales-Wade
Alejandro Moyano
Edesiri Okeoghene Mushale
Louis H. Noel
Chidera Onyekachi Onyeagoro
Ethan H. Palma
John Xavier Perez
Natalie Maria Pippolo
Brayan Ezequiel Reyes
Scott Sandoval Smythe
Joshua Alec Stelling
Adam Subel
Zachary Eli Taqi
Nicolas Jesus Terrazas
Jorge Francisco Tito-Arce
Brian Tumusiime
Ryan Seth Udell
Noah J. Wade
Carter Harold Harrison Walker
Kaitlyn Wang
Charles Richard Wannall
James Thomas Warmack
Grace Estelle Wilson
Loren Li Te Young

# Bachelor of Music

**Katherine Marie Hales Abramson**
**Ryan Avila**
**Samantha Shu-En Choo**
**Aaron Michael DuBois**
**Jesse Simon Fischer**
**Zachary Jason Glaser**
**Nathan Ming Hsu**
**Zhengyi Huang**
**Martin Lewis Jones**
**Christopher Steven Laven**
**Mac Richard Levey**
**Brandon Lim**
**Julianne D. Mulvey**
**Meghann Iske Neale**
**Julianne Y. Oh**
**Xu Peng**
**Nicholas Sean Perkyns**
**Elisabeth Anne Pesavento**
**Nina L. Pitts**
**Arin Abramovich Sarkissian**
**Brianna Juenmei Satow**
**Annamarie Louise Wellems**
**Jarod Yap**

# Undergraduate University Certificates

**Zubaidat Agboola**
*Civic Leadership*

**Anika Agrawal**
*Language and Intercultural Communication - Spanish*

**Noah Syed Ahmed**
*Language and Intercultural Communication - Korean*

**Mayank Ahuja**
*Engineering Leadership*

**Louis V. Alvares**
*Language and Intercultural Communication - Italian*

**Zachary Joseph Alvear**
*Language and Intercultural Communication - Spanish*

**Alison Marie Beardslee**
*Language and Intercultural Communication - Spanish*

**Lauryn Elizabeth Bennett**
*Language and Intercultural Communication - Spanish*

**James Maxim Brigman**
*Language and Intercultural Communication - Spanish*

**Anh Vi Burgess**
*Language and Intercultural Communication - Spanish*

**Audrey Cabay**
*Language and Intercultural Communication - Chinese*

**Valentina Camacho**
*Engineering Leadership*

**Mark A. Cantu**
*Language and Intercultural Communication - Spanish*

**Nellie Kwok Chen**
*Language and Intercultural Communication - Spanish*

**Bethany Rose Click**
*Language and Intercultural Communication - Spanish*

**Henry Michael Creamer**
*Engineering Leadership*

**Carolyn Elizabeth Daly**
*Language and Intercultural Communication - Spanish*

**Anh Thu Ngoc Dang**
*Language and Intercultural Communication - Korean*

**Kaitlin Marie DeSpain**
*Engineering Leadership*

**Eden Alemayehu Desta**
*Language and Intercultural Communication - Spanish*

**Claudia Carolina Di Bonaventura**
*Language and Intercultural Communication - Italian*

**Frederick Russell Drummond**
*Civic Leadership*

**Emma Catherine Duval**
*Language and Intercultural Communication - Spanish*

**Briana Farias**
*Engineering Leadership*

**Kristen Elise Ferrara**
*Language and Intercultural Communication - Spanish*

**Madison Emily Gabino**
*Language and Intercultural Communication - Spanish*

**Jason Michael Gardner**
*Language and Intercultural Communication - Spanish*

**Tia Anukis Gray**
*Engineering Leadership*

**Stephanie Mayson Halow**
*Language and Intercultural Communication - Spanish*

**Samuel Charles Holloway**
*Language and Intercultural Communication - Spanish*

**Amy Winglam Huyen**
*Engineering Leadership*

**Spoorthi Kamepalli**
*Language and Intercultural Communication - Spanish*

**John Ryan Keogh**
*Engineering Leadership*

**Rahul Kilambi**
*Engineering Leadership*

**Hannah S. Kim**
*Civic Leadership*

*Language and Intercultural Communication - Spanish*

**Steven Thomas Saltos Kochvar**
*Language and Intercultural Communication - Spanish*

**Anchith Kota**
*Language and Intercultural Communication - Korean*

**Anirudh Sai Kuchibhatla**
*Engineering Leadership*

**Katherine Claire Landry**
*Language and Intercultural Communication - Spanish*

**Amy Sue Lin**
*Language and Intercultural Communication - Spanish*

**Raquel Amelia Marroquin**
*Language and Intercultural Communication - Korean*

**Jeffrey Robert Michel**
*Engineering Leadership*

**William Sutton Mundy**
*Language and Intercultural Communication - Chinese*

**Bryan Andrew Najera Demoraes**
*Language and Intercultural Communication - Portuguese*

*Language and Intercultural Communication - Spanish*

**Roma Sanjali Nayyar**
*Civic Leadership*

**Sahiti Divya Patibandla**
*Language and Intercultural Communication - Spanish*

**Sahana Prabhu**
*Civic Leadership*

**Rithika R. Proddutoor**
*Civic Leadership*

**Arisa Sadeghpour**
*Civic Leadership*

**Tyler Coble Sakakeeny**
*Language and Intercultural Communication - Chinese*

**Tate Edward Shannon**
*Language and Intercultural Communication - Spanish*

**Samuel Louis Shuman**
*Language and Intercultural Communication - Spanish*

**Sarah Siddiqui**
*Language and Intercultural Communication - French*

**Ryan Seth Udell**
*Engineering Leadership*

**Christine Wang**
*Civic Leadership*

**Jue Wang**
*Language and Intercultural Communication - Japanese*

**Shelly Zhou**
*Language and Intercultural Communication - Spanish*

# Honors, Prizes and Awards to Faculty, Staff and Alumni

*Association of Rice Alumni Gold Medal*
**Gilbert M. Cuthbertson**
**Robert B. Tudor III '82**

*Association of Rice Alumni Distinguished Alumni Awards*
**Finis E. Cowan Jr. '51**
**H. Ralph Hawkins '76**
**Maryana F. Iskander '97**
**Deepak Srivastava '86**

*Association of Rice Alumni Meritorious Service Awards*
**William T. Cannady**
**Samuel L. Jones**
**Amy L. Sutton '89, '90 and Gary W. Chiles '86**
**Gloria Meckel Tarpley '81**

*Alison Henning Teaching Award*
**Eric Barefoot**

*C.M. and Demaris Hudspeth Endowed Award for Student Life and Clubs*
**Esther Fernandez**
**Jeff Fitlow**
**Kristina Kennedy**
**Judy Radigan**

*Charles W. Duncan Jr. Achievement Award for Outstanding Faculty*
**Genevera Allen**
**Christopher Fagundes**

*Elizabeth Gillis Award for Exemplary Service to Rice University*
**Amanda Focke**

*Excellence in Academic Advising Award*
**Laura S. Kabiri**
**Leslie Schwindt-Bayer**

*Friends of Rice Graduate Students Award*
**Kathleen M. Canning**

*George R. Brown Awards for Superior Teaching*
**Marcia G. Brennan**
**Amelie Carlton**
**Philip A. Ernst**
**Reto Geiser**
**Bilal Ghosn**
**Lesa Tran Lu**
**Burke Nixon**
**Betul Orcan-Ekmekci**
**Rafael Verduzco**

*George R. Brown Prize for Excellence in Teaching*
**James DeNicco**

*Graduate Liberal Studies John Freeman Faculty Mentoring Award*
**Joseph A. Campana**

*Graduate Liberal Studies John Freeman Faculty Teaching Award*
**J. Dennis Huston**

*Graduate Student Association Faculty/Staff Service Award*
**Beth Leaver**
**Pam On**

*Graduate Student Association Service Award*
**Anastasia Newheart**
**Danielle M. Perdue**

*Graduate Teaching Assistant Award for Excellence in Course Support*
**Lauren Amanda Warning**

*Graduate Teaching Assistant Award for Excellence in Student Support*
**Ivan Rosa de Siqueira**

*Graduate Teaching Award for Independent Instruction*
**Melia Bonomo**
**Baird C. Campbell**

*Hershel M. Rich Invention Award*
**Paul Michael Mayer**
**Ved Ojha**
**Sreehari Kalavampara Saju**

*Malcolm Gillis Award for Distinction in Undergraduate Teaching in Economics*
**James N. Brown**

*Marjorie Corcoran Award*
**Bonnie Bartel**
**Carolyn Nichol**

*Nicolas Salgo Distinguished Teacher Award*
**Robert Werth**

*Presidential Mentoring Award*
**Eugenia Georges**
**Marcia O'Malley**
**Michael S. Wong**

*Ralph O'Connor Award for Distinction in Research and Teaching in Economics*
**Richard Boylan**

*Rice University Award for Excellence in Professional Service and Leadership*
**Rick K. Wilson**

*Rice University Award for Excellence in Research, Teaching and Service*
**Caleb McDaniel**

*Rice University Award for Excellence in University Service and Leadership*
**Janet Braam**
**Christopher M. Johns-Krull**

*Rice University Teaching Award for Excellence in Inquiry-Based Learning*
**Lisa Lapinski**
**Molly Morgan**

*Sarah A. Burnett Teaching Prize in Social Sciences*
**Diane Crossey**
**Robert Werth**

*School of Engineering Award for Excellence in Teaching*
**Bilal Ghosn**

*Sophia Meyer Farb Prize for Teaching*
**Alden Marte-Wood**
**Geoff Wehmeyer**

*Teaching Award for Student-Taught Courses*
**Savannah A. Cofer '20**
**Lillian C. Wieland '22**

# Prizes and Awards to Degree Recipients

*Abraham-Broad Exchange Program*
**Mikayla V. Knutson**

*Alan Grob Prize*
**Amna Maniar Ali**
**Carolyn Elizabeth Daly**
**Saniya Nandkumar Gayake**
**Sahana Prabhu**

*Alan J. Chapman Award in Mechanical Engineering*
**Ryan Seth Udell**

*Alpha Rho Chi Medal*
**Eric Kyle Cheung**
**Xiefangzheng Sun**

*Ambler Award for Best Thesis in Political Science*
**Hattie Amelia Lindell**

*Ann and Joe Hightower Superior Award in Chemical and Biomolecular Engineering*
**Jonathan Scott Bloom**
**Alexander Lukasz Curylo**

*Arthur and Shelley Gottschalk Traveling Grant for Musicians*
**Lia Caroline Pikus**

*Arthur L. Draper Award in Chemistry*
**Stephen Andrew Chamness**
**Colin Edward Chan**
**Nicola Rachel Feder Knowles**
**Vy C. Dang Pollatos**
**Alexandros Steven**
**Manuj Mayank Shah**

*Barry M. Goldwater Scholarship*
**Yingxuan Tan**

*Best Aerospace or Transportation Technology Award*
**Rosemary Pauline Lach**
**Jeffrey Robert Michel**
**Michael P. Riccardi**
**Berk Alp Yakici**

*Best Conceptual or Computational Modeling Engineering Design*
**Cynthia Chen**
**Haoze Chen**
**Shuyang Fan**
**Kaiyi Jiang**
**Lon Kai Pang**
**Zhuoran Yao**

*Best Energy-Related Engineering Design*
**Mathias Solomon Adamu**
**Grant Brooks Anderson**
**Brian Anh Dinh**
**Nicholas Eric Lester**
**Zachary Eli Taqi**
**Brian Tumusiime**

*Best Environment and Sustainability Engineering Design*
**Raiha Abbas**
**Raidah Nawar Ahmed**
**James Maxim Brigman**
**Alexander Lukasz Curylo**
**Samantha Suzanne Fowler**

*Best Gaming, Creative or Innovative Technology*
**Ellice Yue Gao**

*Best Interdisciplinary Engineering Design*
**Franklin Daniel Briones Jr.**
**Athena Jiunshi Chien**
**Hope K. Fa-Kaji**
**Samantha Lee McClendon**
**Pujita Sai Reddy Munnangi**
**Rithika R. Proddutoor**

*Best Medical Device Technology*
**Hunter Ricardo Adams**
**Zuhair Z. Hawa**
**Austin Hwang**
**Lilith Delan Liang**
**Tate Edward Shannon**
**Zengyi Wan**

*Best Technology for Low-Resource Settings Design*
**Hannah Catherine Andersen**
**Keeler X. Gonzales**
**Dora Huang**
**Carrigan Dawn Hudgins**
**Eric Daniel Torres**
**Anh Hoang Vu**

*Beth Shapiro Award*
**Abril Dominguez**

*Biosciences Award for Outstanding Leadership*
**Cailey Ann Renken**

*Biosciences Award for Outstanding Research*
**Vikram A. Aggarwal**
**Anna Rose Girardeau**
**Stefanie Felicity King**
**Missy Ethena Lollis**
**Isabella Osuna**
**Kristen Michelle Rabbitt**
**Amy Michelle Roush**

*BP Prize for Best Research Paper on Energy Economics*
**Sree Surya Yeluri**

*Buckley Sartwelle Scholarship*
**Nicholas Eric Lester**

*Byron Pope Award for Outstanding Performance in Master of Energy Economics*
**Marcos Hilario Samaniego Vega**

*C.M. and Demaris Hudspeth Award for Best Undergraduate Seminar Paper in Political Science*
**Mikayla V. Knutson**

*Capt. Charles Septimus Longcope Award in History*
**Rachael Lindsay Pasierowska**

*Caring Friends In Deed Scholarship*
**Saniya Nandkumar Gayake**
**Nitin Srinivasan**

*Caroline S. and David L. Minter Award for Best Graduating English Major*
**Joshua Anil**

*Caroline S. and David L. Minter Award for Outstanding Essay*
**Kelsey C. Evans**

*Chair's Best Dissertation Prize in English*
**Kevin T. MacDonnell**

*Charles Garside Jr. Prize in History*
**Carolyn Elizabeth Daly**
**Olivia Lee Daneker**
**Tanvi Hemant Jadhav**
**Mikayla V. Knutson**
**Allen Logan Sellers**
**Molly Collins Wancewicz**
**Shengqing Wang**

*Chillman Prize*
**Gabriella Feuillet**
**Xueyuan Wang**

*Christine Croneis Sayres Memorial Scholarship in Art*
**Kyle Robert Dickens**
**Sarah Abigail Easley**
**Ginny Jeon**

*Christine Croneis Sayres Memorial Scholarship in Art History*
**Leah Alexandra Olivo**
**Jingyi Zhou**

*Clifford Lefton Lawrence Award in British History*
**Mikayla V. Knutson**

*Darra Keeton Award in Painting and Drawing*
**Sophia Keila Parker**

*Department of Earth, Environmental and Planetary Sciences Service Award*
**Martina Christine Faciane**
**Christina Alicia Stoner**

*Department of Spanish and Portuguese Cervantes Award for Outstanding Seniors*
**Mark A. Cantu**
**Olivia Lee Daneker**
**Madison Emily Gabino**
**Abigail Gonzalez**
**Erin Victoria Krusleski**
**Carmen Lizeth Prado**
**Karen Tina Shore**

*Department of Spanish and Portuguese Dr. James A. Castañeda Award for Best Essay in Golden Age Literature*
**Olivia Lee Daneker**

*Department of Visual and Dramatic Arts Chairman's Choice Award*
**Claire Kathleen Boschert**

*Department of Visual and Dramatic Arts Service Award Honoring Randall McCabe*
**Naomi Ann Hausman**

*Dr. and Mrs. David M. Mumford Endowed Award*
**Rishab Ramapriyan**

*Dr. Joy Browne Award for Outstanding Senior in Cognitive Sciences*
**Xuanyi Chen**

*Dr. Michael A. and Donna Kidwell Gibson Undergraduate Leadership Award in Chemical and Biomolecular Engineering*
**Katelyn Doris Givan**

*Edward B. Arrants Award*
**XingYue Wen**

*Electrical and Computer Engineering Best Research Poster*
**Frank Yuan-Shaw Yang**

*Electrical and Computer Engineering Best Senior Project*
**Aneel Mawji Damaraju**
**Chiraag Vivek Kaushik**
**Andrew Van Pham**
**Kunal S. Rai**
**Tucker Blake Reinhardt**
**Frank Yuan-Shaw Yang**

*Engineering Professional Master's Program Scholarship*
**Susannah Elizabeth Dittmar**
**Abigail Nicole Lawrence**
**Katherine Ann Leskin**
**James Dalton McNaney**
**Patricia Thai**
**William Joseph West III**

*Excellence in Academic Advising Award to Peer Academic Advisors*
**Mirella Lili Baker**
**Vy C. Dang**
**Alison Danielle Drileck**
**Lea Margo Godret-Miertschin**
**Axel K. Ntamatungiro**
**Ethan James Schweissing**
**Roger Yau Fu Wang**

*Excellence in Art History*
**Isabelle Alexandra Bunten**

*Excellence in Capstone Engineering Design*
**Yufei Cui**
**Shade Verane Flavien**
**Katherine Carolina Hu**
**John Ryan Keogh**
**Shujian Lin**
**Pierson Kent Lund**
**Adalberto F. Machin Jr.**
**Jeffrey Robert Michel**
**John Xavier Perez II**
**Joshua Alec Stelling**
**Carter Harold Harrison Walker**
**Mykia M. Washington**
**Loren Li Te Young**

*Excellence in Independent, Multiyear or Club Engineering Design*
**Sarah M. Jin**

*ExxonMobil Outstanding Undergraduate Student Award in Earth Science*
**Meagan Noel Hale**
**Christina Alicia Stoner**

*Farb Family Award for Outstanding Achievement for Phi Beta Kappa*
**Anshul Bhatnagar**

*Floyd Seyward Lear Prize*
**Mariana Nájera**

*Frank Lee Berry Jr. Award in Art*
**Julia Noelle Fisher**
**Spoorthi Kamepalli**

*Fulbright Award*
**Amy Wendy Mu**

*Gaston Rimlinger Prize*
**Nathan Kaplan**

*Gene Hackerman Award*
**Ava Chen**
**Ruizi Zeng**

*George J. Schroepfer Jr. Award for Excellence in Undergraduate Research in Biochemistry*
**Allison Ann Taffet**

*George J. Schroepfer Jr. Award for Outstanding Ph.D. Thesis in Biochemistry and Cell Biology*
**Zachary James Wright**

*George Williams Prize in Fiction*
**Vincent Zhang**

*George Williams Prize in Nonfiction*
**Ella Malena Feldman**

*George Williams Prize in Poetry*
**Sanvitti Sahdev**

*Gerald August Dobelman Memorial Scholarship*
**Parker Morgan Graham**

*Gilbert L. Hermance Award in Kinesiology — Health Sciences*
**Anne Marie Rara**

*Gilbert L. Hermance Award in Kinesiology — Sports Medicine*
**Geri-Ann Bateesa N. Mpagi**

*Graduate Student Association Lifetime Contribution Award*
**Alison O'Connor Farrish**

*Graham C. Stebbings College Service Award*
**Mirella Lili Baker**

*H.W. Reeves Endowed Scholarship*
**Sutanu Bhowmick**

*Henry Adams American Institute of Architects Graduate Medal*
**Emma Scott**

*Henry Adams American Institute of Architects School Medal*
**Xinyu Chen**

*Honors in Cognitive Sciences*
**Riya Biju Albert**
**Brandon Kyle Hayes**
**Olivia J. Morris**
**Sharon Wang**
**Stephanie Tan Xie**

*Honors in Economics*
**Cade Cecil Ballew**
**Autumn Rae Engebretson**
**Vicente Andres Iglesias**
**Nathan Kaplan**
**Sree Surya Yeluri**

*Honors in History*
**Anna Margaret Clyburn**
**Carolyn Elizabeth Daly**
**Olivia Lee Daneker**
**Frederick Russell Drummond**
**Arija D. Forsyth**
**Mikayla V. Knutson**
**Allen Logan Sellers**
**Sarasota Eastis Serulneck**
**Molly Collins Wancewicz**
**Annie Y. Zhang**

*Honors in Psychological Sciences*
**Beth Elaine Buchanan**
**Daphne Marie Campo**
**Cao June Cao**
**Bethany Rose Click**
**Charlotte Zhong-Xue Rothwell Davis**
**Betel Alexis Hernandez**
**Julia Rose Iacono**
**Arya F. Jones**
**Lindsay Tobias Josephs**
**Vincent Duc Khiem Lai**
**Nicole Ariel Lennon**
**Arjun S. Peddired**

*Honors in Sociology*
**Mirella Lili Baker**
**Lia Teresa Martin**

# PRIZES AND AWARDS TO DEGREE RECIPIENTS, *continued*

*Houston Gas Processors Association Annual Scholarship*
**Jonathan Scott Bloom**

*Houston Gas Processors Association Endowed Scholarship*
**Alexander Lukasz Curylo**

*Hubert E. Bray Prize in Mathematics*
**Chumeng Di**

*Hugh Scott Cameron Service Award From the Student Association*
**Divya Shivani Choudhury**
**Lindsay Rebecca Mathys**
**Victor Tien Ngoc Nguyen**

*Inprint Marion Barthelme Prize in Creative Writing*
**Jennifer Lee Wang**

*Ira and Patricia Gruber Award for Best Honors Thesis*
**Mikayla V. Knutson**
**Annie Y. Zhang**

*James S. Waters Creativity Award*
**Frank Yuan-Shaw Yang**

*James Street Fulton Prize for Excellence in Philosophy*
**Elliot Reza Stahr**

*Jason Chahin Innovation and Excellence Fund*
**Yingxuan Tan**

*Jenessa Shapiro Award for Best Undergraduate Thesis*
**Nicole Ariel Lennon**

*Jennifer and Purvez Captain Award for Outstanding Economics Dissertation*
**Daniel A. Prudencio**

*Jesse Tsu Sport Management Academic Achievement Award*
**Andrew N. Axelson**
**Audrey Noelle Paetzel**
**Catalina Santamaria**

*Jessie Matthews Memorial Award in Studio Art*
**Braden Thomas Perryman**

*Jill Pitman Jones Award — Club Sports*
**Carolyn E. Daly**

*Jill Pitman Jones Award — Intramural Sports Female*
**Chloe Noelle Pilarca Oani**

*Jill Pitman Jones Award — Intramural Sports Male*
**Kartik Inta Reddy**

*Jimmy Disch Sport Analytics Award*
**Jason Michael Gardner**

*John L. Margrave Thesis Award in Chemistry*
**Nicole Erin Behnke**
**Muqing Ren**

*John P. McGovern Outstanding Premedical Student Award*
**Preetham Sai Bachina**

*John W. Brelsford Award for Superior Scholarship, Leadership or Service*
**Lindsay Tobias Josephs**

*John W. Gardner Award in Humanities*
**Kevin T. MacDonnell**

*John W. Gardner Award in Social Sciences*
**Shannon Kaixin Cheng**
**Gary Matthew Lamb**

*Jones Citizen Award*
**Colton James Bach**
**Salma Bargach**
**Aman Bhargava**
**Katharine A. Chung**
**Rhian Emily Davies**
**Adam Christopher German**
**London Terry Hayes**
**Donald Ray Kilbourn Jr.**
**Karen Aerin Lee**
**Jonathan Kyle Lindsey**
**Ross Fong Muramaru**
**Victoria Vladimirovna Philippova**
**Cassandra Elizabeth Sherrod**
**Kavita Sinha**
**Jenna Leigh Wenyon**

*Kathleen Gamber Ballanfant Award in Film and Photography*
**Akua Atta Amankwah-Ayeh**

*Kathleen S. Matthews Teaching and Mentoring Award*
**Aadith Sivaramakrishna Vittala**

*Kenneth R. Laughery Award for Best Master's Thesis in Psychology*
**Bradley Weaver**

*Kristine Wallace Prize*
**William Conor Rork**

*Leland Winston, M.D., Courage and Diligence Award*
**Harold Cecil Schuman III**

*Leroy C. Gibbon Award in Geology*
**David Garrett Blank**

*Linda F. Williams Prize for Social Justice*
**Anona Claire Neal**

*Lindsay Roemmich Sport Management Achievement Award*
**Kristian Dean Stengel**

*Linguistics Prize for Excellence*
**Athena Corinth Hagerman**

*Louis and Peaches Owen Fellowship for Professional Master's in Engineering*
**James Alan Fuente**
**Louis Stefan Smidt**

*M.N. Davidson Fellowship*
**Harish Krishnamoorthy**
**Yifei Zhang**

*Malcolm Gillis Award in Economics*
**Alexander Bruce Patterson**

*Malcolm Gillis Prize in Mathematical Economic Analysis*
**Cade Cecil Ballew**
**Vicente Andres Iglesias**

*Margaret Everson-Fossi Traveling Scholarship*
**Qian Chen**
**Helene Padma De Mello**
**Tianhao Fu**
**Andrea Machado Romero**
**Melisa Pekiyi**
**Esther Xinyu Tang**

*Margie E. Sass Scholar Athlete of the Year*
**Geri-Ann Bateesa N. Mpagi**

*Master of Energy Economics Award for Scholarly Excellence*
**Nicolas Alexander Svoboda**

*Mavis C. Pitman Memorial Prize in Art*
**Isabel Maria Samperio**

*Max Freund Prize in German Studies*
**Jeffrey Robert Michel**
**Rynd Iselle Morgan**

*Mellon Mays Undergraduate Fellows*
**Evan Demond Delafose**
**Arija D. Forsyth**
**Lia Teresa Martin**
**Leah Alexandra Olivo**

*Michael Maraldo Sr. Southwest Terrazzo Association Architecture Scholarship*
**Gabriella Feuillet**

*Mike Wright Award*
**Daniela Ximena George**
**Ross Fong Muramaru**
**Jackie Pham Nguyen**
**Valerie L. Valentine**

*Morris and Shirley Rapoport Award in Jewish Studies*
**Danielle Alexander Kessler**
**Sophia Goldie Pereira**

*Morty Rich Community Service Scholarship*
**Saniya Nandkumar Gayake**
**Preetham Sai Bachina**
**Anchith Kota**

*National Science Foundation Graduate Research Fellowship*
**Chiraag Vivek Kaushik**

*Nunnelee Preceptorship Fund*
**Dong Hun Baik**
**Gabriella Feuillet**
**Marlena Woerner Fleck**
**Hyun Sung Lee**
**Xueyuan Wang**
**Yifei Zhang**

*O.J. Brigance Courage Award*
**Garrett Jack Grammer**

*Outstanding Bioengineering Design Project*
**Hannah Catherine Andersen**
**Franklin Daniel Briones Jr.**
**Athena Jiunshi Chien**
**Hope K. Fa-Kaji**
**Keeler X. Gonzales**
**Dora Huang**
**Carrigan Dawn Hudgins**
**Samantha Lee McClendon**
**Pujita Sai Reddy Munnangi**
**Rithika R. Proddutoor**
**Eric Daniel Torres**
**Anh Hoang Vu**

*Outstanding Capstone in Archaeology*
**Anshul Bhatnagar**

*Outstanding Capstone in Cultural Anthropology*
**Mariana Nájera**

*Outstanding Honors Thesis in Archaeology*
**Elizabeth Anne Devine**

*Outstanding Honors Thesis in Cultural Anthropology*
**Saniya Nandkumar Gayake**

*Outstanding Major in Cultural Anthropology*
**Marcus Andrew Tierrablanca**

*Outstanding Ph.D. Thesis in Ecology and Evolutionary Biology*
**Lin-Yi Zhang**

*Outstanding Senior in Bioengineering*
**Yufei Cui**
**Anh Hoang Vu**

*Outstanding Service in Bioengineering*
**Athena Jiunshi Chien**
**Diego H. Gonzalez**
**Carrigan Dawn Hudgins**
**Adalberto F. Machin Jr.**
**Tate Edward Shannon**

*Patricia and Robert H. Parks Jr. Prize for Excellence in Economics*
**Nathan Kaplan**

*Paul Frederick Bobb Award*
**Ella Malena Feldman**
**Rynd Iselle Morgan**

*Peter Mieszkowski Prize for Honors Program Research*
**Cade Cecil Ballew**
**Vicente Andres Iglesias**

*Phil Layton Award for Excellence in the Arts*
**Zachary Joseph Alvear**

*Phillips Prize*
**Lauren Nicole Hollins**
**Julianne Katz**
**Matthew T. Manriquez**
**Joe Louis Williams III**

*Pi Delta Phi André Bourgeois Award in French*
**Anna Margaret Clyburn**

*"R" Association/J. Fred Duckett Postgraduate Scholarship*
**Lindsay Rebecca Mathys**

*"R" Association/Margie E. Sass Postgraduate Scholarship*
**Nicole Reina Limberg**

*Ralph Budd Thesis Award*
**Chelsea Alexis Clark**

*Raymond Swift Medal in Art*
**Alexandra Elise Green**

*RCEL Engineering Leadership Award*
**Ryan Seth Udell**

*Rice Engineering Alumni Association Bob Dickson Award*
**Zengyi Wan**

*Rice Engineering Alumni Association Distinguished Senior Award*
**Kaitlin Marie DeSpain**
**Jeffrey Robert Michel**

*Rice Engineering Alumni Association International Service Excellence Award*
**Anh Hoang Vu**

*Rice Engineering Alumni Association Leadership Excellence Award*
**Kaitlin Marie DeSpain**
**Ryan Seth Udell**

*Rice Engineering Alumni Association Outstanding Senior Award*
**Chiraag Vivek Kaushik**

*Rice Engineering Alumni Association Research Excellence Award*
**Adam Subel**
**Anh Hoang Vu**
**Frank Yuan-Shaw Yang**

*Rice Engineering Alumni Association Senior Merit Award*
**Loren Nicole Goddard**
**Natalie Morgan Goddard**
**Nicholas Eric Lester**
**Anh Hoang Vu**
**Frank Yuan-Shaw Yang**

*Rice Scholar Athletes of the Year*
**Shea M. Baker**
**Alex Joseph De Leon**
**Loren Nicole Goddard**
**Natalie Morgan Goddard**
**Linda Li Huang**
**Rebecca June Keane**
**Rishi Kejriwal**
**Hociel Landa**
**Payton C. Moore**
**Geri-Ann Bateesa N. Mpagi**
**Ellery Yvonne Parish**
**Conrad Gen Russell**
**Naeem Smith**

*Robert H. Parks Jr. Prize for Excellence in Engineering Leadership*
**Katelyn Doris Givan**

*Robert Lowry Patten Award*
**Danielle Monique Perdue**

*Robert P. Quin Award for Outstanding Male Athlete*
**Hociel Landa**

*Robert Patten Graduate Student Award*
**Vanessa Briana Espinoza**
**Alison O'Connor Farrish**

*Ronald Soligo Public Policy Essay Prize*
**Autumn Rae Engebretson**

*Saba Prize*
**Martin C. Berg**
**Mariana Nájera**

*Sallyport Award*
**Chloe Noelle Pilarca Oani**
**Danielle Monique Perdue**

*Sam Worden Endowed Memorial Fund in Geophysics*
**Xiaoyu Wang**

*Samuel T. Sikes Jr. Scholarship*
**Pujita Sai Reddy Munnangi**

*Seth Balkishan Das Signal Award*
**Mariana Nájera**

*Shirley Bard Rapoport Graduate Essay Prize*
**Kevin T. MacDonnell**

# Prizes and Awards to Degree Recipients, *continued*

*Student Association Outstanding Seniors*
**Adam Cardenas**
**Anna Margaret Clyburn**
**Evan Demond Delafose**
**Seohui Jung**
**Hannah S. Kim**
**Cordy Allen McJunkins**
**Chloe Noelle Pilarca Oani**
**Samuel James Reddick**
**Ethan James Schweissing**
**Varsha Varghese**

*Texas Society of Professional Engineers Outstanding Senior Engineering Students*
**Jonathan Scott Bloom**
**Nicole Tan**

*Texas Society of Professional Engineers Overall Outstanding Senior Engineering Student*
**Eric Daniel Torres**

*Thomas J. Watson Fellowship*
**Lia Caroline Pikus**

*Thomas Michael Panos Family Engineering Student Award*
**Pierson Kent Lund**
**Jorge Francisco Tito-Arce**

*Wagoner Foreign Study Scholarship*
**Riya Biju Albert**
**Owais Fazal**
**Natalie Anne Gault**
**Saniya Nandkumar Gayake**
**Srinithya Reddy Gillipelli**
**Noah Taylor Johnson**
**Roma Sanjali Nayyar**
**Nishant Milind Pradhan**
**Arisa Sadeghpour**
**Emma Moriah Siegel**

*Weber-Durkheim Prize for Excellence in Sociology*
**Mirella Lili Baker**
**Lia Teresa Martin**

*William C. Howell Award for Excellence in Undergraduate Research and Scholarship*
**Beth Elaine Buchanan**

*William D. Darden Award*
**Brendan James Carr**
**Xuanyu Wei**

*William W. Akers Senior Design Award in Chemical and Biomolecular Engineering*
**Morgan Jaye Alana**
**Christopher Rafael Botello**
**Lauren Chiang**
**Patrick James Eifert**

*William Ward Watkin Traveling Fellowship*
**Dong Hun Baik**
**Emma Laureen Brown**
**Justin Tak-Ching Fan**
**Marlena Woerner Fleck**
**Xueyuan Wang**
**Ruizi Zeng**

*Willy Revolution Award*
**Brian Chen**
**Matthew Stephen Grossman**
**Anna Elizabeth Jorgensen**
**Ohifeme Tiwalayo Longe**
**Edesiri Okeoghene Mushale**
**Antoine Xavier Pierre'Auguste**
**Jorge Francisco Tito-Arce**

*Woods Leazar Innovation Award for Excellence in Engineering*
**Patrick Bi**
**Samuel Nathan Brehm**
**Haafiz Binusha Hashim**
**Irene Kyungrin Kwon**
**Cooper Whitmore Lueck**
**Bill Y. Wang**

*Zevi and Bertha Salsburg Memorial Award in Chemistry*
**Stephen Andrew Chamness**
**Manuj Mayank Shah**

# Honorary Societies

## AGLSP National Honor Society

John R. Cheney
Stephanie Chretien
Cherie Hoepfl
Jenny Kier
Laura O'Bert
Karin E. Shipman
Lee Tawse
Lisa R. Wojahn

## Chi Epsilon

Kaitlin Marie DeSpain
Kaede Nhu Gordon
Hazel L. Scott

## Eta Kappa Nu

Nolan Adam Bitner
Haoze Chen
Ye Chen
Aneel Mawji Damaraju
Daniel Moody De Grasse
Daniel P. Fay
Chiraag Vivek Kaushik
Joshua Adam Kowal
Anirudh Sai Kuchibhatla
Maojing Lin
Andrew Van Pham
Anderson Roy Phillips
Duncan Ryan Salmon
Xander L. Spriggs
Nicole Tan
Frank Yuan-Shaw Yang

## Phi Beta Kappa

Joshua Anil
Preetham Sai Bachina
Mirella Lili Baker
Cade Cecil Ballew
Alison Marie Beardslee
Lauryn Elizabeth Bennett
Mark Jacob Berger
Anshul Bhatnagar
Nolan Adam Bitner
Claire Kathleen Boschert
Rebecca Jean Brandt
Beth Elaine Buchanan
Isabelle Alexandra Bunten
Colin Edward Chan
Xuanyi Chen
Jason Christopher Choi
Sophie Louise Clayton
Anna Margaret Clyburn
Carolyn Elizabeth Daly
Olivia Lee Daneker
Vy C. Dang
Evan Ross Dekhayser
Dany Badawi El-Najjar
Autumn Rae Engebretson
Hope K. Fa-Kaji
Kristen Elise Ferrara
Arija D. Forsyth
Natalie Anne Gault
Anna Rose Girardeau
Benjamin Douglas Glotzer
Yiran Gong
Jinjing Guo
Athena Corinth Hagerman
Stephanie Mayson Halow
Trent Thomas Herndon
Vicente Andres Iglesias
Naadir Hyder Jamal
Nicholas A. Jerge
Arya F. Jones
Anna Elizabeth Jorgensen
Lindsay Tobias Josephs
Lauren Ju-Rhee Kang
Nathan Kaplan
Chiraag Vivek Kaushik
Fatimah Khan
Rahul Kilambi
Mikayla V. Knutson
Steven Thomas Saltos Kochvar
Anchith Kota
Erin Victoria Krusleski
Anirudh Sai Kuchibhatla
Hope Marleaux Lawrence
Nicholas Eric Lester
Taida Li
Angela G. Lin
Shujian Lin
Yiyue Liu
Grace Lu
Lia Teresa Martin
Micah Ashlyne Martin
Christopher James McCarthy
Cordy Allen McJunkins
Jeffrey Robert Michel
Aditya N. More
Amy Wendy Mu
Andrew M. Mu
Mariana Nájera
Dhruv Nandakumar
Flora Augusta Naylor
Madeline Ai-Vy Ngo
Rebecca Anne Noel
Christina So-Ye Oh
Leah Alexandra Olivo
Cory Pan
Sophia Goldie Pereira
Braden Thomas Perryman
Natalie Maria Pippolo
Alexandros Steven Pollatos
Sahana Prabhu
Rithika R. Proddutoor
Rishab Ramapriyan
Samuel James Reddick
Elizabeth Rosi Reeves
Tyler Coble Sakakeeny
Madeleine Cait Scannell
Tessa E. Schreiber
Hazel L. Scott
Sarasota Eastis Serulneck
Manuj Mayank Shah
Shruti Naresh Shah
Clayton Printz Siminski
Nitin Srinivasan
Sai Aditya Sriram
Elliot Reza Stahr
Joshua Alec Stelling
Allison Ann Taffet
Jamie Liang Tan
Henry Cooper Ulrich
Aadith Sivaramakrishna Vittala
Zengyi Wan
Molly Collins Wancewicz
Ruohan Wang
Zishi Wang
Virginia Y. Xie
Annie A. Yang
Frank Yuan-Shaw Yang
Emma Radha Young
Hanji Zhou
Jingyi Zhou
Oliver Fongray Zhou
Shelly Zhou

## Pi Delta Phi

Anna Margaret Clyburn

## Pi Sigma Alpha

Joseph Nikalaus Hubner
Bryan Andrew Najera Demoraes
Sofia C. Opel
Lauren Rebecca Palladino
Connor Lawson Rothschild
Allen Logan Sellers
Xin Tan

## Psi Chi

Lawryn Emani Brown
Amelia Michelle Calautti
Daphne Marie Campo
Lily June Cao
Sophie Louise Clayton
Charlotte Zhong-Xue Rothwell Davis
Claudia Carolina Di Bonaventura
Amy Doan
Madeleine Nicole Fuselier
Hannah Vinh-Lee George
Alec Mariano Gorsse
Betel Alexis Hernandez
Catherine Justine Hettler
Lindsay Tobias Josephs
Danielle Alexander Kessler
Aakanksha S. Khadye
Jeeyoon S. Kim
Erin Victoria Krusleski
Vincent Duc Khiem Lai
Erica Yoonjie Lee
Pamela Ruth McInturff
Cordy Allen McJunkins
Olivia J. Morris
Lauren Rebecca Palladino
Taylor O. Phillips
Muzi Sun
Shelly Zhou

## Tau Beta Pi

Hunter Ricardo Adams
Paula Carolina Ayala
Patrick Bi
Jonathan Scott Bloom

**Athena Jiunshi Chien**
**Julia Anne Coco**
**Yufei Cui**
**Alexander Lukasz Curylo**
**Hope K. Fa-kaji**
**Shuyang Fan**
**Katelyn Doris Givan**
**Diego H. Gonzalez**
**Zuhair Z. Hawa**
**Carrigan Dawn Hudgins**
**Austin Hwang**
**Kaiyi Jiang**
**Ji Yoon Jung**
**Pranav Bharat Khemka**
**Steven Thomas Saltos Kochvar**
**Anirudh Sai Kuchibhatla**
**Benjamin Jon Lasota**
**Hope Marleaux Lawrence**
**Maria Fernanda Leal**
**Nicholas Eric Lester**
**Shujian Lin**
**Jiayu Liu**
**Linda Bao Liu**
**Cooper Whitmore Lueck**
**Pierson Kent Lund**
**Pujita Sai Reddy Munnangi**
**Cory Pan**
**Lon Kai Pang**
**Tate Edward Shannon**
**Eric Daniel Torres**
**Zengyi Wan**
**Nathaniel Wing Yan Wu**
**Frank Yuan-Shaw Yang**
**Zhuoran Yao**

## Tau Sigma Delta

**Brendan James Carr**
**Justin Tak-Ching Fan**
**Harish Krishnamoorthy**
**Emma Scott**
**Claire Wagner**
**Xueyuan Wang**
**Yifei Zhang**

# College Honors

## Baker College

*Baker Academic Mentors*
**Joshua Anil**
**Keegan D. Cannell**
**Claire Elise Jahnke**
**Pranav B. Khemka**
**Emily Roy**
**Varsha Varghese**

*Baker College Fellows*
**Riya Biju Albert**
**Joshua Anil**
**Valentina Camacho**
**Adam Cardenas**
**Saniya Nandkumar Gayake**
**Claire Elise Jahnke**
**Spoorthi Kamepalli**
**Pranav B. Khemka**
**Katherine Claire Landry**
**Alejandro Torrebiarte**
**Varsha Varghese**
**Faraz Ali Virani**

*Baker College Greg Marshall Award*
**Nicholas Eric Lester**
**Joseph Michael Price Jr.**

*Baker College Special Award*
**Adam Cardenas**

*Copeland Award*
**Vidisha Ganesh**

*McIntosh Award*
**Saniya Nandkumar Gayake**

*Minter Award*
**Spoorthi Kamepalli**

*Philpott Award*
**Varsha Varghese**

## Will Rice College

*Barbara Willis Service Award*
**Julia Anne Coco**

*Gilbert Cuthbertson Service Award*
**Kelly Dong**
**Priscilla Kyoungeun Huh**

*James A. Castañeda Award*
**Manuj Mayank Shah**

*James Street Fulton Service Award*
**Jared Anthony Lyons**

*Los Tres Amigos Award*
**Samiksha Reddy Deme**

*Sam and Helen Worden Will Rice College Endowed Award*
**Lea Margo Godret-Miertschin**
**Rahul Uday Popat**

*Will Rice Academic Fellows*
**Shryans Goyal**
**Derrick M. Kagwanja**
**George X. Liu**
**Christina So-Ye Oh**
**Sofia C. Opel**
**Rishab Ramapriyan**
**Manuj Mayank Shah**
**Xander L. Spriggs**

## Hanszen College

*Charles D. Pomerening Memorial Sports Award*
**Camryn Skylar Hummel**
**Samuel Xavier Ramirez**

*Daniel Brown Benbow Award*
**Whitney Jin**

*Hanszen College Fellows*
**Vy C. Dang**
**Natalie Anne Gault**
**Austin Hwang**
**Rahul Kilambi**
**Jeeyoon S. Kim**
**William Peter Ledig**
**Hannah Ellen Meeks**
**Daniel Wang**

*Hanszen College Senior Service Award*
**Bethany Rose Click**
**Vy C. Dang**
**Nikhita Gangla**
**Natalie Anne Gault**
**James Winchester Lewis**

*Hanszen Heart Award*
**Vikram A. Aggarwal**
**William Peter Ledig**
**Hannah Ellen Meeks**

*Hanszen President's Award*
**Paras Gupta**

*Hanszen Rice Service Award*
**Tessa E. Schreiber**

*Judge Woodrow Seals Community Service Award*
**Camille Pierre-Louis**

*The McAdam Griffin Family Award*
**Nikhita Gangla**

*The Morris Family Award*
**Emily Chang**

## Wiess College

*Daniel M. Caesar Memorial Award*
**Jacob Alejandro Liang**

*Magisters' Award for Special Service*
**Olasina Isaiah Awe**
**Charles James Cook**
**Hannah Vinh-Lee George**
**Zhenlin Kan**
**Samuel James Reddick**
**Elizabeth Rosi Reeves**
**Ashley Elizabeth Snell**
**Akash R. Tarkunde**
**Zachary Luis Zalles**

*Olga Keith Wiess Service Award*
**Lauren Anne Biegel**

*Wiess Academic Mentors*
**Stephen A. Chen**
**Olivia Lee Daneker**
**Jessica Riley Holmes**
**Zhenlin Kan**
**Angela G. Lin**
**Remy Joann Mathews**
**Aarohi Mahesh Mehendale**
**Samuel James Reddick**
**Elizabeth Rosi Reeves**
**Dawon Song**
**Eric Daniel Torres**
**Nathaniel Wing Yan Wu**
**Karen Xu**
**Zachary Luis Zalles**
**Vincent Zhang**

*Wiess College Orientation Fellows*
**Anika Agrawal**
**Amna Maniar Ali**
**Olasina Isaiah Awe**
**Lauren Anne Biegel**
**Charles James Cook**
**Chachrit Daniel Davis**
**Romanda Y. Dobson**
**George Thomas Elsesser**
**Oluwapelumi William Fafowora**
**Jason Michael Gardner**
**Jessica Riley Holmes**
**Erica Yoonjie Lee**
**Kenechukwu Onye**

*Wiess College Senior Service Award*
**Anika Agrawal**
**Muthu M. Chidambaram**
**Chachrit Daniel Davis**
**Jessica Riley Holmes**
**Loryn Aline Hudson**
**Erica Yoonjie Lee**
**Jacob Alejandro Liang**
**Timothy Hughes Thomas II**
**Eric Daniel Torres**

# COLLEGE HONORS, *continued*

## Jones College

*Captain Jiba Award*
**John Perry Townley**

*Daniel G. Huffaker Memorial Award*
**Hunter Camille Weiss Atherton**
**Tate Edward Shannon**

*Extraordinary Dedication to College*
**Daniela Alejandra Sierra**
**Adam Subel**

*Franz and Frances Brotzen Outstanding Senior Award*
**Hannah S. Kim**

*Geoffrey S. "Skip" Wise Memorial Award*
**Leslie Loredo**
**Anna Kathryn Reed**

*Graham Stebbings Jones College Service Award*
**Max Samuel Boekelmann**

*J. Dennis Huston Sports Award*
**Juan Pablo Martinez Cordeiro**
**Madeline Kay West**

*Jones Ambassador Award*
**Lawryn Emani Brown**
**Mary Claire Neal**

*Jones College Academic Fellows*
**Kyla Jenee Barnwell**
**Lauren Chiang**
**Alexander Emanuilov Deyanov**
**Shreya Mukund Ingle**
**Maxim Samuel Karoubi**
**Hannah S. Kim**
**Steven Thomas Saltos Kochvar**
**Juan Pablo Martinez Cordeiro**
**Noushin Naowar Quazi**
**Adam Subel**
**Jack Alexander Wilson**
**Jarod Yap**

*Jones Forever Award*
**Kyla Jenee Barnwell**
**Brendan Wong**

*Jones Wins Again Award*
**Julia Frances Kolbe**
**Kristian Dean Stengel**

*Magisters' and President's Award*
**Daphne Lynn Flores**
**Shreya Mukund Ingle**

*The Ric Stoll Outstanding Associate Award*
**Sara Rice Shafer**

## Brown College

*Brelsford Award*
**Cooper Whitmore Lueck**
**Kevin T. Ngo**
**Molly Collins Wancewicz**

*Brown College Magisters' Award*
**Evan Demond Delafose**
**Sophia Claire Reitich**

*Brown College Rice Service Award*
**Evan Demond Delafose**

*Brown College Service Award*
**Evan Demond Delafose**

*Brown College Society of Academic Fellows*
**Zachary Joseph Alvear**
**Mateo D'Agaro**
**Elizabeth Anne Devine**
**Danielle Alexander Kessler**
**Cooper Whitmore Lueck**
**William Conor Rork**
**Lillibeth C. Snellman**
**Molly Collins Wancewicz**
**Christine Weiwen Wang**
**Frank Yuan-Shaw Yang**

*Donald R. Baker Senior Scholarship*
**Frank Yuan-Shaw Yang**

*Franz and Frances Brotzen Award*
**Molly Collins Wancewicz**

*Mark Gargiulo Award*
**Pamela Ruth McInturff**

*Meg Perkins Sports Award*
**Kevin T. Ngo**

*Nancy Henry Award*
**Stephany Michelle Marchany**

*Patrick Gordon Award*
**Evan Marshman**

*Paul and Ruth Pfeiffer Award*
**Evan Demond Delafose**
**Cooper Whitmore Lueck**
**Stephany Michelle Marchany**
**Pamela Ruth McInturff**
**Sophia Claire Reitich**
**Molly Collins Wancewicz**

*Senior Service Award*
**Evan Demond Delafose**

*Soorya Avali Award*
**Rachael Ksenia Metruck**

*Weldon and Louise Davis Award*
**Aurora Jane Kesler**

## Lovett College

*Edgar Odell Lovett Service Award*
**Divya Shivani Choudhury**

*Eric Heinman Open Door Award*
**Chloe Noelle Pilarca Oani**

*Lovett College Outstanding Senior Awards*
**Armando Amigon**
**Claire Kathleen Boschert**
**Matthew William Brewer**
**Owais Fazal**
**Kusha Gupta**
**Adam Shai Gurin**
**Zachary Raymond Murphy**
**Victor Tien Ngoc Nguyen**
**Chloe Noelle Pilarca Oani**
**Laura Yordan**

*Lovett College Outstanding Sport Service Award*
**Zachary Raymond Murphy**

*Lovett College Society of Academic Fellows*
**Stephen Andrew Chamness**
**Divya Shivani Choudhury**
**Henry Michael Creamer**
**Owais Fazal**
**Julia Noelle Fisher**
**Diksha Gupta**
**Emily Anna Huth**
**Anirudh Sai Kuchibhatla**
**Madison Grace Miller**
**Anamitra Paul**
**Alexandros Steven Pollatos**
**Aadith Sivaramakrishna Vittala**

*Lovett College Sports Awards*
**Matthew William Brewer**
**Emma Catherine Duval**

*The Toni Paine Award*
**Matthew Marion Burns**

## Sid Richardson College

*Athenian Award*
**Oeishi Banerjee**
**James Maxim Brigman**
**Alison Danielle Drileck**
**Brandon Kyle Hayes**
**Panayiotis D. Kontoyiannis**
**Andrew Joseph Ledet**
**Alejandro Moyano**
**Dylan Alexander Riddell**
**Arya Jai Shetty**
**Clarise Eleigh Trinh**

*J. Venn Leeds Award for Excellence in Scholarship*
**Rebecca Jean Brandt**
**Nicholas A. Jerge**
**Lia Teresa Martin**
**Aditya N. More**
**Sarasota Eastis Serulneck**
**Jamie Liang Tan**
**Rosemary Yang**

*Odysseus Award*
**Nafisa Rashid Istami**

*Sid Richardson College Fellows*
**Carrigan Dawn Hudgins**
**Panayiotis D. Kontoyiannis**
**Pujita Sai Reddy Munnangi**
**Nia Victoria Prince**
**Dylan Alexander Riddell**
**Allen Logan Sellers**
**Kyle Sheetal Sheth**
**Arya Jai Shetty**
**Nicole Tan**
**Sean H. Zhang**

*Sid Richardson College Magisters' Award for Outstanding Achievement*
**Nia Victoria Prince**

*Sid Richardson Scholar Athlete*
**Blaze Achille Alldredge**

*Vivian Guan Award for the Arts*
**Nafisa Rashid Istami**

## Martel College

*Distinguished Seniors*
**Shane Patrick DiGiovanna**
**David Saah Karngba III**
**Stefanie Felicity King**
**Hope Marleaux Lawrence**
**Christian Alexander Owens**
**Anderson Roy Phillips**
**Madeleine Cait Scannell**
**Ethan James Schweissing**
**Karen Tina Shore**

*The George Miner Rice University Service Award*
**Anna Margaret Clyburn**

*Maria Byrne Award*
**Sahana Prabhu**

*Marian Fox Martel Scholar Award*
**Connor Lawson Rothschild**

*Martel Mentors*
**Mark Jacob Berger**
**Patrick Bi**
**Noah Jason Choi**
**Sophie Louise Clayton**
**Ashley Katelyn D'Souza**
**Daniel P. Fay**
**Katelyn Doris Givan**
**Laura Goon**
**Geli C. Kane**
**Micah Ashlyne Martin**
**Sonali Mitra**
**Flora Seoyoung Park**
**Hannah Megan Towbin**
**Zhuoran Yao**

*Ralph S. O'Connor Outstanding Senior Award*
**Anna Margaret Clyburn**
**Paras Gupta**

*The Speros P. Martel Outstanding Service Award*
**Shruti Wadhwa**

*Unsung Hero Award*
**Maura Lynn Boerio**
**Flora Seoyoung Park**

## McMurtry College

*Burt and Deedee McMurtry Service Award*
**Carolyn Elizabeth Daly**

*McMurtry Fellows*
**Lily June Cao**
**Tracey Dibbs**
**Anna Rose Girardeau**
**Athena Corinth Hagerman**
**Anika Apsara Jain**
**Rohini Kumar**
**Benjamin Jon Lasota**
**Annie Jasmine Lu**
**Sana A. Mohamed**
**Olivia J. Morris**
**Amy Wendy Mu**
**Mariana Nájera**
**Clayton Printz Siminski**
**Shengqing Wang**

*Outstanding Seniors*
**Jonathan Scott Bloom**
**Alexander Lukasz Curylo**
**Carolyn Elizabeth Daly**
**Jennifer Ho**

## Duncan College

*Charles W. Duncan Initiative Award*
**Max Lin**
**Arjun S. Peddireddy**

*Drayton Thomas Spirit Award for Duncan College*
**Ellery Yvonne Parish**

*Duncan College Academic Fellows*
**Hunter Ricardo Adams**
**Katherine Piper Cohen**
**Autumn Rae Engebretson**
**Shujian Lin**
**Priyansh Lunia**
**Cordy Allen McJunkins**
**Axel K. Ntamatungiro**
**Lauren Rebecca Palladino**
**Allison Ann Taffet**

*Duncan Senior Award*
**Sarah M. Jin**
**Cordy Allen McJunkins**

*Jeremy Reiskind Sportsmanship Award*
**Jessica Lauren Sheldon**

*Magisters' Award for Outstanding College Leadership*
**Mirella Lili Baker**
**Byron Benjamin Harris**
**Lindsay Tobias Josephs**
**Elena Komiya**

*Unsung Hero Award*
**Rachel Johnson**
**Ji Won Kim**

# Military Appointments

*Commissioned Ensign U.S. Navy*
**Charles Wannall**

# 2021 Commencement Marshals

*Chief Marshal*
**Fred Oswald**

*Security Marshals*
**Dave Johnson, Head Marshal**
**Tanner Gardner**
**Jorge Loyo**
**Alberto Pimpinelli**
**Ray Simar**
**Helen Toombs**
**Tracy Volz**

*Graduate Marshals*
**James Weston, Head Marshal**
**Jesse Chan**
**Alan Crane**
**Agustina Fernandez-Moya**
**Pedram Hassanzadeh**
**Anna Rhodes**
**Laura Segatori**
**Ashok Veeraraghavan**

*Undergraduate Marshals*
**George Webb, Head Marshal**
**Kerri Barber**
**Bobby Beaird**
**Nicholas Bourgeois**
**Jamie Catanese**
**Nick Espinosa**
**Christopher Fagundes**
**Deirdre Hunter**
**Alma Novotny**
**Norma Santamaria**
**Ian Schimmel**
**Cam Yearty**

*Stadium Marshals*
**Brad Blunt**
**Ric Stoll**

# Association of Rice Alumni

Welcome to the Association of Rice Alumni (ARA), Class of 2021! The ARA was founded in 1919 to continue the relationship between the university and its alumni. One hundred years later, the ARA has more than 56,000 members worldwide. There are no membership dues to join; as a Rice graduate, you are immediately part of this global community. Wherever you are in the world, you can stay in touch via Sallyportal. Log in or create an account at sallyportal.org to connect with fellow alumni.

Keep your contact information up to date to receive the latest information from Rice via the Rice Portal. To register, visit riceconnect.rice.edu and click on "login or register" to access your online community account. To view a calendar of all upcoming Rice alumni events and to learn more about Rice alumni groups, visit alumni.rice.edu.

Congratulations again, and welcome to the ARA!

# 2020–2021 Retirees

## *Retiring Faculty*

**Kathleen Matthews**
*49 years of service*

**Klaus Weissenberger**
*49 years of service*

**James Disch**
*47 years of service*

**David Lane**
*44 years of service*

**George Bennett**
*43 years of service*

**David Scott**
*42 years of service*

**Karin Broker**
*39 years of service*

**Robin Sickles**
*36 years of service*

**Robert Roux**
*31 years of service*

**Dennis Cox**
*29 years of service*

**James Faubion**
*28 years of service*

**Yin Zhang**
*28 years of service*

**Linda Neagley**
*27 years of service*

**John Zammito**
*26 years of service*

**James Pomerantz**
*21 years of service*

**Gerald Dickens**
*20 years of service*

**Masayoshi Shibatani**
*19 years of service*

**James Stephen King**
*18 years of service*

**William Glick**
*16 years of service*

**Lawrence Hampton**
*16 years of service*

**Jerrold Rusk**
*15 years of service*

**Diane Wolfthal**
*12 years of service*

**Judith Roof**
*11 years of service*

**Edwin Thomas**
*10 years of service*

**Wagner Kamakura**
*8 years of service*

## *Retiring Staff*

**Jet Prendeville**
*41 years of service*

**Margarita Rodriguez**
*39 years of service*

**Gary Smith**
*37 years of service*

**Leticia Rodriguez**
*35 years of service*

**John Gomez**
*34 years of service*

**Peggy Shaw**
*34 years of service*

**Richard Stearman**
*33 years of service*

**Ute Franklin**
*30 years of service*

**Bruce Brinson**
*28 years of service*

**Chihfang Lin**
*26 years of service*

**Moises Romero**
*26 years of service*

**Lydia Gonzales**
*24 years of service*

**Veronica Huitrado**
*23 years of service*

**Maria Arguello**
*22 years of service*

**Ben Carreno**
*22 years of service*

**Juana Chavez**
*20 years of service*

**Beverly Mims**
*20 years of service*

**Rosa E. Rodriguez**
*19 years of service*

**Jose Ramos**
*18 years of service*

**John Buck**
*17 years of service*

**Holly Heard**
*17 years of service*

**Nancy Burk**
*15 years of service*

**Rosa Rodriguez**
*15 years of service*

**Pamela Traylor**
*14 years of service*

**Dolores Arroyo**

*13 years of service*

**Elizabeth Guevara**
*13 years of service*

**Janice Johnston**
*12 years of service*

**Shirley Tapscott**
*11 years of service*

## *In Memoriam*

**C. Sidney Burrus**
*56 years of service*

**Rex McLellan**
*49 years of service*

**F. Chandler Davidson**
*46 years of service*

**Reginald Dufour**
*43 years of service*

**Margarita Rodriguez**
*39 years of service*

**Linda McNeil**
*37 years of service*

**Dale Sawyer**
*32 years of service*

**Olivia Kelly**
*31 years of service*

**Anita Kiperman**
*27 years of service*

**Ronald Stebbings**
*27 years of service*

**Darra Keeton**
*24 years of service*

**Stanislav Sazykin**
*21 years of service*

**Beverly Mims**
*20 years of service*

**Lyn Ragsdale**
*14 years of service*

**Ilinca Stanciulescu**
*12 years of service*

**William Arnold**
*11 years of service*

**Calixto Ignacio**
*4 years of service*

**Neilkunal Panchal**
*2 years of service*

# Notes on Commencement

## The Commencement Ceremony

Rice Commencement features two distinct kinds of ceremonial elements: the focus on individual degree recipients as they are named, presented and congratulated and the focus on the communal experiences of graduation through the student procession, speeches and the conferral of degrees.

The first half of each ceremony is marked by speeches. The presidents of the Student Association and the Graduate Student Association respectively make brief remarks as a prelude to the university president's speech.

The second half of the ceremony is the formal conferral of degrees earned. The candidates for each degree are presented as a group by the appropriate university official. The provost, assisted by the academic deans, presents all the advanced degree candidates. The dean of undergraduates, assisted by the college magisters, presents the undergraduate degree candidates.

After the conferral of degrees, the assembly sings Rice's alma mater. The evening ceremonies will feature a short fireworks display.

## The Rice Diploma

Rice diplomas are unusually large, measuring approximately 18 inches by 23 inches. The text is arranged to resemble the general shape of an urn. Tradition holds that the shape is a Grecian urn, since it is known that President Edgar Odell Lovett, an admirer of the classics, designed and composed the diploma. Above the text, the academic seal of Rice University is embossed in gold.

The degree recipients will receive their actual diplomas over the summer.

## Academic Procession

The academic procession, an essential part of most Commencement exercises, has its origin in the clerical procession of church history.

This year's academic procession, though smaller than usual, maintains its pomp and ceremony with the degree candidates and a small platform party comprised of select Rice faculty and administration. The university marshals, distinguished by their blue and gray gowns and soft, Cambridge-style caps, are responsible for directing the participants throughout the ceremony.

The undergraduate candidates for bachelor's degrees assemble with their residential colleges. Led by the magisters and college presidents, the candidates proceed to the Rice Stadium. Students chosen as assistants to the marshals escort each college. Baker, the oldest residential college, leads the undergraduate procession, followed in order by Will Rice, Hanszen, Wiess, Jones and Brown. Lovett leads the remaining colleges followed by Sid Richardson, Martel, McMurtry and Duncan.

A fanfare sounds to signal the start of the procession. The faculty procession is led by the color guard, the chief marshal and the president. The president is followed by the members of the board of trustees and the faculty, in order of academic rank, and within rank, in order of seniority. The procession ends when the mace is placed on its stand at the front of the platform.

The ceremony concludes with a recessional march. The assembly will first sing Rice's alma mater. Afterward, the chief marshal raises the mace to signal the start of the march. The degree recipients march out, followed by the faculty, administration and Rice Board of Trustees. The march concludes the Commencement ceremony.

## Academic Regalia

The resemblance of academic regalia to the robes of religious orders is no coincidence; the caps, gowns and hoods worn today have their origins in the Middle Ages, when universities were church institutions and both teachers and scholars were clerics.

U.S. colleges and universities adopted their own uniform code of academic dress in 1895. While the code has been modified since, the costume still reflects a rich tradition of Western higher education. If one is familiar with the basic accoutrements and with what shape, color and material can signify, then the academic procession and the commencement exercise will have more meaning.

Three main garments compose the regalia — cap, gown and hood. In addition, a stole is worn by many at Rice to indicate an affiliation with one of Rice's residential colleges.

The caps and gowns worn by graduates of U.S. colleges and universities vary only slightly from school to school, and from these the highest level of academic degree that the wearer has earned can be determined. Undergraduates serving today as ushers and assistants to the marshals are wearing bachelor's gowns of royal blue.

The mortarboard, or Oxford-style cap, is worn by most members of the academic procession. It is usually black. The tassel of the cap may be black, or it may be a color indicating the discipline in which the degree was earned. It may be gold metallic for doctors, governing officials of the university and persons being specially honored during the program.

The gown, too, is usually black, though there are exceptions. Harvard, for example, allows a crimson gown; Yale, a blue gown; and Princeton, a black gown appointed in orange. The bachelor's gown is the simplest in design and has long, pointed sleeves. The master's gown, which is slightly more elaborate, has oblong sleeves open at the wrist. The doctor's gown is, appropriately, the most elaborate — velvet trim runs down the front and around

the neck, and three velvet bars decorate the bell-shaped sleeves. Special blue gowns for Rice doctoral students were introduced at the 1997 Commencement.

The third costume component, the hood, is the most symbolic. The hood's length and the width of its velvet trim indicate the level of the earned degree. The velvet trim indicates, by its color, the academic field in which the degree has been earned.

For undergraduate degrees, a palette of four colors denotes a specific academic field:

Golden yellow — Science and Engineering
White — Humanities and Social Sciences
Pink — Music
Brown — Architecture

For graduate degrees, an expanded palette denotes a specific academic field:

White — Arts, Letters and Humanities
Drab — Commerce, Accountancy and Business
Copper — Economics
Light blue — Education
Orange — Engineering
Brown — Fine Arts and Architecture
Pink — Music
Dark blue — Philosophy
Sage green — Kinesiology
Golden yellow — Science

The hood also identifies the institution at which the wearer took his or her degree. It is worn to expose the colors in its lining. In 1985, most schools adopted a chevron for their hoods. Because of the limited number of colors selected, duplication of designs is common. The Rice hood has a blue lining with a single gray chevron.

## Degrees

All Rice degrees have been awarded for work done in course. Rice does not award honorary degrees. The Bachelor of Arts, Bachelor of Science and Bachelor of Music degrees normally require four years. The Bachelor of Architecture degree requires two years beyond the B.A., including one spent on preceptorship with an architectural firm.

The Master of Arts degree and the Master of Science degree often require two years and the presentation of a thesis, but in some departments students are eligible for a master's degree without submitting a thesis once they have been admitted to candidacy for the Ph.D. Rice awards a number of professional master's degrees that normally require one or two years of concentrated training in a specified field beyond the Bachelor of Arts or Bachelor of Science degree.

The Artist Diploma in Music is awarded at the completion of a two-year course of study beyond the master's degree. The curriculum prepares students for a career focused on performance at the highest levels.

The Diploma in Liberal Studies is awarded at the completion of a two-year course of study beyond the master's degree. The curriculum extends the educational goals of the Master of Liberal Studies program and allows students to deepen their interdisciplinary knowledge and lay the groundwork for contributions to their community in the form of critical publications, community service, doctoral studies or career work.

The Doctor of Philosophy degree is awarded after successful completion of a program of advanced study and scholarly research culminating in a written dissertation. As final evidence of preparation for the degree, the candidate must pass a public oral examination. Normally three or more years are required to complete the graduate study leading to the Ph.D. degree. The equivalent degree in architecture is the Doctor of Architecture. The Doctor of Musical Arts is awarded after completion of a program of advanced study and required performances or original compositions.

## Undergraduate Honors

Undergraduate honors, based on the grade point average of academic work done at Rice University, are awarded to degree recipients being conferred the Bachelor of Arts, Bachelor of Science and Bachelor of Music.

Distinction in Research and Creative Works is a university honor bestowed by the faculty in individual departments. The specific requirements vary among departments. Students must apply for the honor, and the application requires a supporting letter from a faculty member.

Approximately 5% of the students graduate with highest honors (summa cum laude), the next 10% graduate with high honors (magna cum laude) and the next 15% graduate with honors (cum laude).

## Insignia of the Graduate Student Association and Residential Colleges

Each residential college has its own emblem, which is displayed on its banner and carried in the procession. The Graduate Student Association banner, displaying its shield, precedes the doctoral, master's and special bachelor's degree candidates.

### Graduate Student Association

The shield of the Graduate Student Association features eight lozenges representing the university's eight schools that offer graduate programs. The grackle is the mascot of the association, and the two grackles in the emblem represent students in the two types of advanced degree programs at Rice — professional and research.

### Baker College

*Magisters, Luis Duno-Gottberg and Angela Duno*

Members wear red stoles with the college crest. In addition, silver piping adorns the stoles worn by the magisters, faculty associates and winners of the Baker College Service Awards (Baker Fellows).

### Will Rice College

*Magisters, Matthew and Rebekah Bennett*

Members and faculty associates wear rust stoles with a white border that bear the college crest. A gold border is on the stoles worn by the magisters, the Will Rice Fellows and award winners.

### Hanszen College

*Magisters, Fabiola López-Durán and Carlos Martinez-Rivera*

Members, magisters and faculty associates wear black stoles with a light blue border. Hanszen Fellows wear black stoles with a yellow border. Both display the college crest.

### Wiess College

*Magisters, Laura and Andrew Schaefer*

Members, magisters and faculty associates wear gold stoles displaying the college crest.

### Jones College

*Magisters, Jason Hafner and Jennifer Trotter*

Members and faculty wear green stoles with a blue border displaying the college crest. Jones Fellows wear a purple cord.

### Brown College

*Magisters, B.J. and Shirley Fregly*

Members and faculty associates wear yellow stoles displaying the college crest. A maroon border is on the stoles worn by current and past magisters. Brown Fellows wear a burgundy cord.

### Lovett College

*Magisters, Mike Gustin and Denise Klein*

Members, magisters and faculty associates wear blue stoles displaying the college crest. A cream border is on the stoles worn by the Lovett Fellows. A gold border is on the stoles worn by the Lovett magisters.

### Sid Richardson College

*Magisters, Michel and Melanie Achard*

Members, magisters and faculty associates wear white stoles displaying the college crest. Two gold stars appear on the left side of the stoles worn by Sid Richardson Fellows.

### Martel College

*Magisters, Frank and Carrie Toffoletto*

Members wear a light blue stole displaying the college crest. Magisters, resident associates, distinguished graduates, and honored members wear light blue stoles and dark red cords. Martel Mentors wear light blue cords.

### McMurtry College

*Magisters, Jenifer Bratter and Noe Perez*

Members, magisters and faculty residential associates wear a purple stole displaying the college crest. A silver border adorns the McMurtry Fellows' stoles.

### Duncan College

*Magisters, Eden King and Winston Liaw*

Members wear a forest green stole embroidered with the college name and crest. Magisters, Duncan Fellows, resident fellows, and faculty and resident associates wear a gold honor cord.

# Notes on Commencement

## Academic Insignia

The original university shield was designed by the artist Pierre de Chaignon la Rose of Cambridge, Massachusetts, for the opening of the Rice Institute in 1912. To create the design, la Rose combined the main elements of the coats of arms of several prominent families named Rice or Houston. The elements featured within the shield are a double chevron and three owls of Athena, symbols of wisdom, selected as charges. The form of the owls was taken from a Greek coin dating from the fifth century B.C. The Rice shield can be seen on the cornerstone of Lovett Hall and on the flag of the university, along with the shield of the state of Texas.

Because Rice University was dedicated by its founder to the advancement of "letters, science and art," these words were incorporated into the design of Rice's academic seal. The seal is prominently displayed on the emblem of authority at the ceremony, the university mace. Carried by the chief marshal, the meter-long mace has a walnut staff with a golden owl atop it. Engraved on four sides of the cube on which the owl sits are the initials WRU, for William Rice University, and the academic seal.

## A Brief History of Rice

On Oct. 12, 1912, representatives of the world's leading universities paraded down a dusty road to attend an academic festival celebrating the inauguration of the William Marsh Rice Institute for the advancement of "letters, science and art." The facilities were modest — only five buildings — but the dream was bold. The Rice Institute was not to be merely a regional technical school, but a university of world-class stature.

William Marsh Rice, founder of Rice University, was born March 14, 1816. In 1839, he left his native Springfield, Massachusetts, and moved to Houston, three years after its founding, in search of his fortune. In a span of 30 years, he expanded a small merchandising business into a trading empire.

Rice married twice, but he survived his spouses and remained childless. In his later years, he chartered the Rice Institute, a university "of the first class" to be located in the city that had provided his start in business. He selected the first board of trustees headed by one of his attorneys, Capt. James Addison Baker, but work on the new institute was to begin only after Rice's death.

His death came unexpectedly, Sept. 23, 1900. Even more unexpected was the subsequent appearance of an alternate will that named lawyer Albert T. Patrick beneficiary of the majority of Rice's fortune. Capt. Baker, suspicious of the circumstances of Rice's death and of the alternate will, launched an investigation that culminated in an admission by Rice's valet, Charles Jones, that he murdered Rice as part of Patrick's plot to gain control of Rice's estate. Jones earned immunity from prosecution by providing state's evidence, while Patrick was convicted of murder and sent to prison.

Capt. Baker's quick action helped clear the way for the institute to fulfill its charter's mandate, and the trustees set about finding the right person to bring Rice's wish to fruition. In 1907, acting on the recommendation of Woodrow Wilson, then president of Princeton University, the trustees named Princeton astronomer and mathematician Edgar Odell Lovett as the first president of Rice.

Lovett called for the establishment of a university that would place "no upper limit to its educational endeavor." His first initiative was to embark on a worldwide tour of major institutions of higher learning to gather ideas for shaping Rice and to select the original faculty from outstanding universities around the world.

The Rice Institute opened in 1912 with 12 faculty members, and the first-year student body consisted of 48 men and 29 women. At its first Commencement, held in 1916, the institute awarded 27 B.A.s, eight B.S.s and one M.A. It awarded its first Ph.D. in 1918.

In the years since Lovett, many things have changed at Rice. In 1960, the institute was officially renamed Rice University, and today, its serene campus is a sylvan oasis amid the bustle of a city that has grown to be one of the nation's leading business, scientific, medical and cultural centers. The campus is home to approximately 90 buildings and 4,200 trees and shrubs, and the university employs more than 700 full-time faculty members and boasts an enrollment of 3,900 undergraduate and 2,800 graduate and professional students.

Though Rice has seen growth in facilities, academic disciplines, student numbers and international stature, the spirit of the university remains true to the vision first articulated by Lovett. Rice is dedicated to undergraduate teaching and graduate studies, research and professional training. It is characterized by its small size, gifted student body, distinguished faculty and acclaimed research.

In October 2012, Rice University celebrated the centennial of its opening. The celebration, which lasted four days, included academic seminars, a series of lectures by distinguished leaders, a keynote address by President David W. Leebron, and an outdoor multimedia spectacle projected directly onto the sides of Lovett Hall, Herzstein Hall and Sewall Hall.

The highly regarded traditions of Rice — from the Honor System, adopted by student vote in 1916, through the residential college system, inaugurated in 1957, to the academic dedication of the most newly admitted student at Rice — all add up to a university "of the first class." The reputation of Rice and of its 56,000-plus living alumni continues to grow through the 11th decade since the university's opening.

## Commencement at Rice

Rice Institute's first graduation exercises were held Sunday and Monday, June 11 and 12, 1916. The baccalaureate on Sunday included a sermon and the singing of Latin and English hymns. At Commencement on Monday, Rice awarded its first Bachelor of Arts, Bachelor of Science and Master of Arts degrees. Dr. David Starr Jordan, chancellor emeritus of Stanford University, addressed the 36 candidates for degrees and their families on the subject "Is War Eternal?" That same June, President Woodrow Wilson, longtime friend and former Princeton colleague of Lovett, was working for a negotiated settlement to hostilities in Europe. Ten months later, the United States officially entered World War I.

Since that first graduation, the ceremonies have been held, at different times, in the Academic Quadrangle, in the courtyard of the chemistry laboratories, in the Rice gymnasium, and in local high schools and churches. In 1960, Commencement was moved to the front of Lovett Hall. Baccalaureate and Commencement were combined for the first time in 1972 by President Norman Hackerman. In 1986, President George Rupp returned the ceremony to a morning event in the Academic Quadrangle, site of the first Commencement.

In 2014, President Leebron reorganized Commencement. Growth in the number of degree recipients was making the single unified Saturday ceremony untenably long. The new model for Commencement has each student presented at a Friday ceremony — retaining the Rice tradition of presenting and congratulating each student as an individual — followed by the conferral of degrees in a plenary ceremony Saturday morning. This new model harkens back to earlier days in the Rice Institute when all students attended two ceremonies: a baccalaureate ceremony and a Commencement ceremony.

Lovett deeply loved the graduation ceremonies and guided them with great personal attention. His appreciation of the classics and his pride in the fact that Rice degrees were individually earned and diplomas individually conferred always were reflected in his remarks to Rice graduates.

Adjustments to Commencement were made on occasions during both World Wars. In 1917, a special graduation exercise was held at Camp Fuston, near San Antonio, for the 11 graduates who had volunteered for military service and were then in training. Later, the 31st Commencement, in June 1945, was followed by the 32nd in March 1946 and the 33rd in June 1946.

Owing to the sacrifices that we as a nation were asked to make during World War II, many Rice alumni were forced to forego graduation ceremonies at Rice. In honor of these individuals, the 1998 Commencement featured the presentation of a special certificate to war-era graduates who received their degrees in absentia.

## Speaker, Nicholas Kristof

In 1981 after working in France, Nicholas Kristof began backpacking in Africa and Asia, writing articles to cover his expenses. He's lived on four continents, reported on six and traveled to more than 150 countries. During his travels, he has caught malaria, experienced wars, confronted warlords, encountered an Indonesian mob carrying heads on pikes and survived an African airplane crash. Kristof not only managed to survive and press on, he also won two Pulitzer Prizes in the process — advocating human rights and giving a voice to the voiceless.

In 1990, Kristof and his wife, Sheryl WuDunn, then also a New York Times journalist, became the first husband-wife team to win a Pulitzer Prize for journalism for their coverage of China's Tiananmen Square democracy movement. Kristof won his second Pulitzer in 2006 for what the judges called "his graphic, deeply reported columns that, at personal risk, focused attention on genocide in Darfur and that gave voice to the voiceless in other parts of the world." Kristof and WuDunn have written five bestselling books: "Tightrope," "Half the Sky," "A Path Appears," "China Wakes" and "Thunder from the East."

After joining The New York Times in 1984, Kristof served as a correspondent in Los Angeles, Hong Kong, Beijing and Tokyo. He has covered presidential politics, interviewing everyone from President Barack Obama to Iranian President Mahmoud Ahmadinejad. A documentary about him, titled "Reporter," was executive produced by Ben Affleck and aired on HBO. Kristof has won innumerable awards, including the Dayton Literary Peace Prize, the Anne Frank Award and the Fred Cuny Award for Prevention of Armed Conflict. He also serves on the board of Harvard University and the Association of American Rhodes Scholars.

As a speaker, Kristof always keeps audiences on the edge of their seats with his moving storytelling and incomparable insights into the events that shape our world. Audiences are captivated by his global adventures and leave inspired to drive change, take on challenges and make a difference.

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# Guest Information

## Directions

Ushers in blue robes are available to provide directions to the locations of restrooms, drinking water and first aid.

## During the Ceremony

Guests are requested to turn off cellphones and to refrain from smoking during the Commencement ceremony. Rice is a tobacco-free campus, and we ask that you do not use tobacco products outside the 12 designated tobacco-use areas. The approved locations are marked with a sign that reads "Designated Tobacco-Use Area." The tobacco-use area nearest to Rice Stadium is located in the grassy area of Tailgate Owley on the eastside of the stadium. To make this a safe and enjoyable experience for all, we ask guests not to cross ropes or block the view of others. Please follow the directions of the marshals and ushers.

## Photography and Videography

A still photograph of each degree recipient will be made by a professional photographer working on the platform. Complimentary cap and gown portraits also will be available in the Rice Memorial Center lobby immediately after the Saturday morning ceremony until 12:30 p.m. Photographs will be offered for sale by the vendors, who will contact all graduates directly at their permanent addresses on file with the registrar within a few weeks following Commencement.

Each ceremony will also be professionally video recorded. These recordings will be available the week following Commencement on Rice's YouTube channel at www.youtube.com/user/riceuniversity.

Due to COVID-19 restrictions, family members and other guests are asked to not leave their seats to take photos during the ceremony. Photos of the platform and Jumbotron are permitted from the guest seating area only. Please do not block the aisles or the views of other guests, be conscious of where you are standing, and observe the directions of the marshals and ushers.

## Restrooms, Water, First Aid

As noted on the map, restrooms are open on the concourses of Rice Stadium. Drinking water is available on the concourses. Please contact an usher if you are in need of medical attention. First aid triage is located on the east concourse, near section 115.

## Shuttle Bus

The campus Inner Loop route will run from 6:30 a.m. to 10 p.m. on Friday, May 14 and 7 a.m. to 10 p.m. on Saturday, May 15.

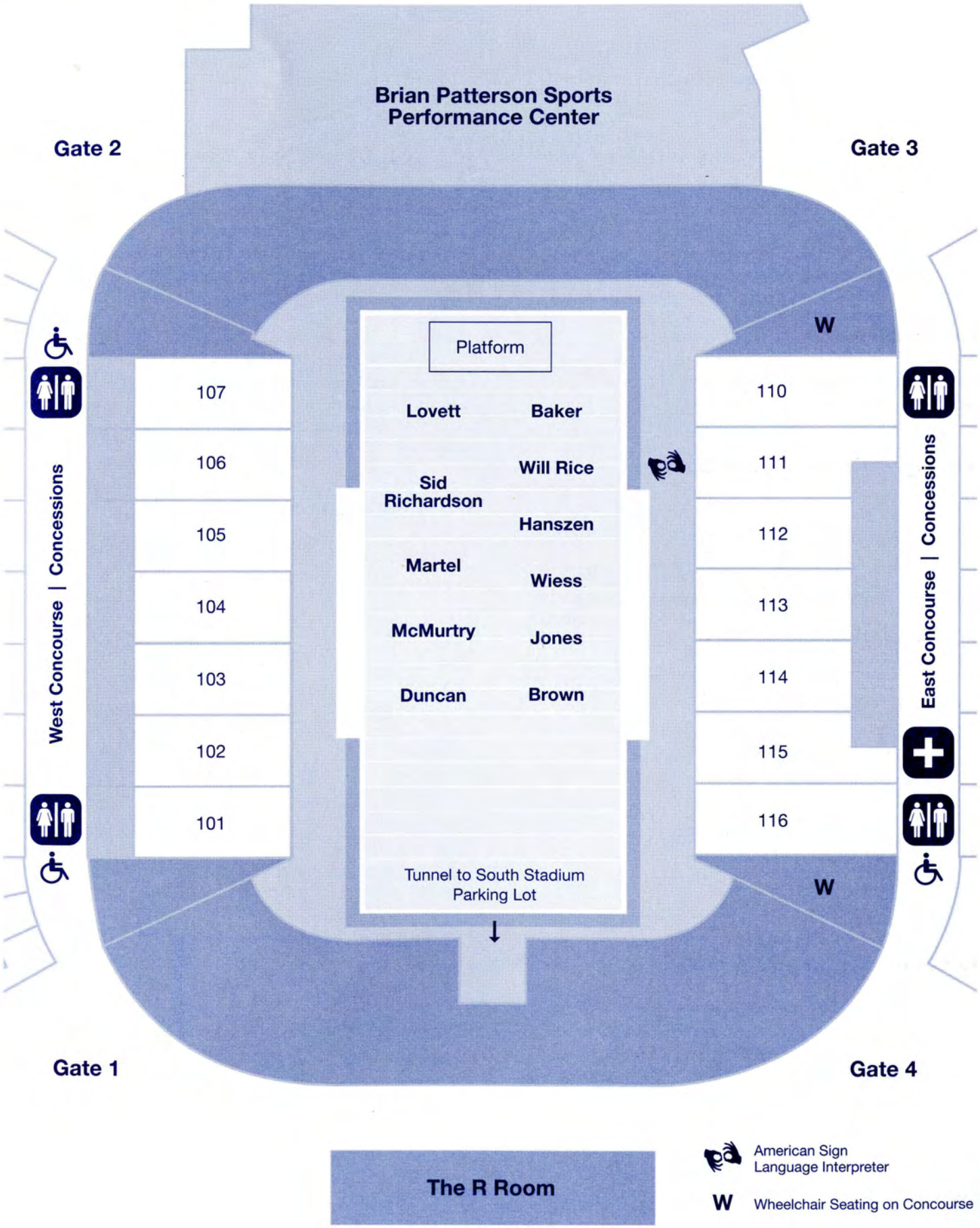
## Special Needs

*Wheelchairs and seating for those with mobility issues* — Special sections in the stadium are reserved for wheelchair users as well as those with mobility issues. Because of limited space in these sections, only one additional person will be able to join the guest requiring the special seating.

*Hard of Hearing* — Section 111 near Rice Stadium Entrance 3 is reserved for those who need a direct view of the American Sign Language interpreter. A limited number of assistive listening devices are available on a first-come, first-served basis near Rice Stadium Entrance 3, beginning one hour before each ceremony.

## After the Ceremony

Graduating students will march out through the Brian Patterson Sports Performance Center. Undergraduate students in Baker, Will Rice, Hanszen, Wiess, Jones and Brown colleges will exit to the parking lot near Rice Stadium Entrance 3. Undergraduate students in Lovett, Sid Richardson, Martel, McMurtry and Duncan colleges will exit to the parking lot near Rice Stadium Entrance 2.

Guests are invited to visit the Rice University Campus Store in the Rice Memorial Center between 9:30 a.m. and 6:30 p.m. on Friday and Saturday. Visitors are encouraged to tour the campus and enjoy Rice's architectural highlights.

# Rice Stadium Map